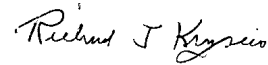


CURRICULUM VITA

Richard John Kryscio



DEGREES:

B.A.	(Magna Cum Laude) Mathematics	1966	King's College, Pennsylvania
M.S.	Statistics	1968	SUNY at Buffalo
Ph.D.	Statistics	1971	SUNY at Buffalo

EXPERIENCE:

Staff Fellow, Biometry Branch, National Cancer Institute, National Institutes of Health, Bethesda, Maryland. August, 1971 to August, 1972.

Assistant Professor, Department of Mathematical Sciences, Northern Illinois University, September, 1972 to September, 1977.

Associate Professor, Department of Mathematical Sciences, Northern Illinois University, September, 1977 to August, 1981.

Visiting Associate Professor, Department of Statistics, University of Kentucky, August, 1981 to May, 1982.

Associate Professor and Director of Mathematical Sciences Consulting Laboratory, Department of Statistics, University of Kentucky, August, 1982 to May, 1986.

Professor and Director of Mathematical Sciences Consulting Laboratory, Department of Statistics, University of Kentucky, August, 1986 to August, 1989.

Chairman, Department of Statistics and Director, Biostatistics Consulting Unit, Medical Center Campus, University of Kentucky, August, 1990 to July, 1998.

Professor, Department of Statistics, and Director of Biostatistics Consulting Unit, Medical Center Campus, University of Kentucky, August, 1989 to December, 2000.

Professor, Department of Statistics and the Kentucky School of Public Health, and Director of Biostatistics Consulting Unit, January 2001 to June, 2004.

Professor, Department of Statistics. College of Arts and Sciences and Chair, Department of Biostatistics, College of Public Health, July, 2004 to 2016.

Professor, Department of Statistics, College of Arts and Sciences 2017-present.

RESEARCH INTERESTS: applied probability including epidemic theory, spatial statistics and clustering of disease in time and biostatistics/epidemiology including statistical methodology in Alzheimer's disease research, cancer , clinical trials, prevention trials, longitudinal data analysis, and missing data analysis.

PUBLICATIONS

1. Kryscio, RJ and Severo, NC. Some properties of an extended simple stochastic epidemic model involving two additional parameters. *Mathematical Biosciences*, 5: 1-8, 1969,
2. Kryscio, RJ. The transition probabilities of the extended simple stochastic model and the Haskey model. *Journal of Applied Probability*, 9: 471-485, 1972.
3. Kryscio, RJ. On estimating the infection rate of the simple stochastic epidemic. *Biometrika*, 59:213-214, 1972.
4. Kryscio, RJ, Meyers, MH, Prusiner, ST, Heise, HW and Christine, BW. Space-time clustering of Hodgkin's disease in Connecticut 1940-69. *Journal of the National Cancer Institute*, 50: 1107-1110, 1973.
5. Murphy, EA, Cramer, DW, Kryscio, RJ, Brown, CC and Pierce, ER. Gonadal mosaicism and genetic counseling for X-linked recessive lethals. *American Journal of Human Genetics*, 26: 207-222, 1974.
6. Kryscio, RJ. On the extended simple stochastic epidemic model. *Biometrika*, 61: 200-202, 1974.
7. Kryscio, RJ. The transition probabilities of the general stochastic epidemic model. *Journal of Applied Probability*, 12: 415-425, 1974.
8. Kryscio, RJ and Severo, NC. Computational and estimation procedures in multidimensional right-shift processes and applications. *Advances in Applied Probability*, 7: 349-382, 1975.
9. Mantel, N, Kryscio, RJ and Meyers, MH. Tables and formulas for extended use of the Ederer-Meyers-Mantel disease clustering procedure. *American Journal of Epidemiology*, 104: 576-584, 1976.
10. Saunders, R and Kryscio, RJ. Parameter estimation for the carrier-borne epidemic model. *Journal of the Royal Statistical Society B*, 38: 265-269, 1976.
11. Kryscio, RJ and Saunders, R. A note on the cost of carrier-borne, right-shift, epidemic models. *Journal of Applied Probability*, 13: 642-661, 1976.
12. Kryscio, RJ and Severo, NC. Statistical inferences for a stochastic epidemic model proposed by Gart. *Management Science*, 7: 105-111, 1977.
13. Billard, L and Kryscio, RJ. The transition probabilities of a bounded bivariate pure death process. *Mathematical Biosciences*, 37: 205-221, 1977.
14. Funk, GM and Kryscio, RJ. Equity and the property tax: comments on two seemingly unrelated conceptual frameworks. *National Tax Journal*, 31: 441-444, 1978.
15. Saunders, R, Lefevre, C and Kryscio, RJ. A note on the expected number of survivors in supercritical carrier-borne epidemics. *Journal of Applied Probability*, 16: 646-650, 1979.

16. Saunders, R, Kryscio, RJ and Funk, GM. Limiting results for arrays of binary random variables under sparseness conditions. *Journal of Applied Probability*, 16: 554-556, 1979.
17. Kryscio, RJ, Saunders, R and Funk, GM. Normal approximations for binary lattice systems. *Journal of Applied Probability*, 17: 674-685, 1980.
18. Saunders, R, Kryscio, RJ and Funk, GM. Poisson limits for a hard-core clustering model. *Stochastic Processes and Their Applications*, 12: 97-106, 1982.
19. Johnson, MC, Anderson, RL, Kryscio, RJ and Siegel, MR. Sampling procedures for determining endophyte content in tall fescue seed lots by ELISA. *Phytopathology*, 73: 1406-1409, 1983.
20. Fried, AM, Woodring, JH, Loh, FK, Lucas, BA and Kryscio, RJ. The medullary pyramid index: An objective assessment of prominence in renal transplant rejection. *Radiology*, 149: 787-791, 1983.
21. Kryscio, RJ and Saunders, R. On interpoint distances for planar Poisson cluster processes. *Journal of Applied Probability*, 20: 513-528, 1983.
22. Griffith, W, Kryscio, RJ and Purdue, P. A stochastic model of particle shattering. *Advances in Applied Probability*, 16: 70-87, 1984.
23. Woodring, JH, Loh, FK and Kryscio, RJ. An evaluation of the plain radiographic manifestations of mediastinal hemorrhage. *Radiology*, 151: 15-21, 1984.
24. Hall, J, Gruber, J, Humphries, L and Kryscio, RJ. Performance of older adolescents on the Briuninks-Oseretsky test of motor proficiency: A prelude to normative data. *American Corrective Therapy Journal*, 38: 119-121, 1984.
25. Raynor, W. and Kryscio, RJ. Forming contacts between university consulting groups and industry and/or local and state governments. *Proceedings of the Wisconsin Workshop on Consulting Intern Programs* (B. Joiner, ed.). Statistical Laboratory: Madison, WI, 1984, 159-168.
26. Sisken, BF, Fowler, I, Barr, EJ and Kryscio, RJ. The threshold quantity of nerve required to induce limb regeneration in the chick embryo. *Journal of Neuroscience Research*, 12(4): 623-632, 1984.
27. Maruyama, Y, Kryscio, RJ, Wood, C, VanNagell, JR, Donaldson, E, Hanson, M and Yoneda, J. Results of treatment of primary and recurrent adenocarcinoma of the corpus uteri with californium-252. *Radiation Oncology*, 11:1199-1208, 1985.
28. Maruyama, Y, Kryscio, RJ, VanNagell, JR, Yoneda, J, Donaldson, E, Hanson, M, Beach, J, Feola, J, Martin, A and Parker, C. Advanced cervical cancer cured better by neutron brachytherapy versus conventional radiotherapy. *The Lancet*, May: 1120-1122, 1985.
29. Maruyama, Y, Kryscio, RJ, VanNagell, JR, Yoneda, J, Donaldson, E, Hanson, M, Beach, J, Feola, J, Martin, A and Parker, C. Clinical trial of 252 of neutron brachytherapy versus conventional radiotherapy for advanced cervical cancer. *Radiation Oncology*, 11: 1475-1482, 1985.
30. Humphries, L, Gruber, J, Hall, J, McKay, S and Kryscio, RJ. Motor proficiency in depressed adolescent inpatients: neuropsychiatric, clinical and biochemical correlates. *Journal of Developmental and Behavioral Pediatrics*, 6: 259-262, 1985.
31. Maruyama, Y, VanNagell, JR, Donaldson, E, Kryscio, RJ, Wood, CL, Hanson, M. and Yoneda, J. Results of treatment of primary and recurrent adenocarcinoma of the corpus uteri with californium-252. *Radiation Oncology*, 11: 1199-1208, 1985.

32. Feola, JM, Maruyama, Y and Kryscio, RJ. Treatment of primary radiogenic C57BL mouse cell leukemia/lymphoma by 1,2 BIS (2-chloreathyl)-1-Nitrosouea chemotherapy and adjuvant cell therapy. *Japanese Journal of Cancer Research*, 76: 1236-1243, 1985.
33. McCready, RA, Price, MA, Kryscio, RJ, Hyde, GL, Mattingly, SS and Griffen, WO. Failure of antiplatelet therapy with ibuprofen (Motrin) to prevent neointimal fibrous hyperplasia. *Journal of Vascular Surgery*, 2: 205-213, 1985.
34. VanNagell, JR, Maruyama, Y, Donaldson, E, Hanson, M, Gallion, HH, Powell, DE, Kryscio, RJ and Beach, JL. Phase II clinical trial using fast Cf-252 neutron brachytherapy, external pelvic radiation and extra fascial hysterectomy in the treatment for bulky barrel-shaped, Stage-1B cervical cancer. *Cancer*, 57: 1918-1922, 1986.
35. Kryscio, RJ. Clinical trials: Principles versus practice. *Proceedings of the International Neutron Therapy Workshop, Nuclear Science Applications*, Section B, 2: 663-671, 1986.
36. Maruyama, Y, VanNagell, JR, Yoneda, J, Donaldson, E, Gallion, H, Rowley, K, Kryscio, RJ and Beach, JL. Phase I-II clinical trial of californium-252. *Cancer*, 59: 1500-1505, 1987.
37. Gallion, H, Maruyama, Y, VanNagell, JR, Donaldson, E, Rowley, K, Yoneda, J, Beach, JL, Powell, DE and Kryscio, RJ. Treatment of Stage-IIIB cervical cancer with californium-252 fast-neutron brachytherapy and external photon therapy. *Cancer*, 59: 1709-1712, 1987.
38. Karan, PP, Singh, S and Kryscio, RJ. Adoption of family planning and modern preventive health care services in rural India. *Journal of African and Asian Studies*, 33: 37-53, 1987.
39. Rhodes, RA, Fried, AM, Lorman, JG and Kryscio, RJ. Tomographic levels for intravenous urography: CT-determined guidelines. *Radiology*, 163: 673-675, 1987.
40. Legg, DE, Barney, RJ and Kryscio, RJ. Improved sampling plans for monitoring alfalfa weevil (coleoptera: curculionidae) larva infestations in Kentucky. *Journal of Economic Entomology*, 81(1): 215-219, 1988.
41. Patchell, RA, Maruyama, Y, Tibbs, PA, Beach, LJ, Kryscio, RJ, Young, BA. Neutron interstitial brachytherapy for malignant gliomas: a pilot study. *Journal of Neurosurgery*, 68: 67-72, 1988.
42. Maruyama, Y, VanNagell, JR, Yoneda, J, Donaldson, E, Gallion, H, Patel, P and Kryscio, RJ. Feasibility study of californium-252 for treatment of Stage-IV cervical cancer. *Cancer*, 61: 2448-2452, 1988.
43. Maruyama, Y, VanNagell, JR, Yoneda, J, Donaldson, E, Gallion, H, Higgins, R, Powell, D, Turner, C and Kryscio, RJ. Efficacy of californium-252 neutrons versus gamma brachytherapy for eradication of bulky localized cervix cancer: single institution study. *Journal of National Cancer Institute*.
44. Maruyama, Y, VanNagell, JR, Yoneda, J, Donaldson, E, Gallion, HH, Higgins, RV, Powell, DW, Kryscio, RJ and Berner, B. Dose response and failure pattern for bulky or barrel-shaped Stage-IV cervical cancer treated by combined photon irradiation and extrafascial hysterectomy. *Cancer*, 63: 70-76, 1988.
45. Noland, M., Kryscio, R.J., Riggs, R.S, Linville, L.H., Perritt, L.J. and Tucker, T.C. Saliva cotinine and thiocyanate: chemical indicators of cigarette and smokeless tobacco use in adolescents. *Journal of Behavioral Medicine*, 11:423-433, 1988.

46. Kryscio, R.J. and Lefevre, C. On the extinction of the S-I-S stochastic logistic epidemic model. *Journal of Applied Probability*, 27:685-694, 1989.
47. Gallion, H.H., VanNagell, J.R., Donaldson, E., Higgins, R.V., Powell, D.E. and Kryscio, R.J. Adjuvant and alkylating chemotherapy in patients with Stage-I epithelial ovarian cancer. *Cancer*, 63:1070-1073, 1989.
48. Gruber, J.J., Hall, J.W., McKay, S.E., Humphries, L.L. and Kryscio, R.J. Motor proficiency and neuropsychological function in depressed adolescent inpatients: a pilot investigation. *Adapted Physical Activity Quarterly*, 6(1): 32-39, 1989.
49. Saphner, T., Gallion, H.H., VanNagell, J.R., Kryscio, R.J. and Patchell, R.A. Neurologic complications of cervical cancer: a review of 2,244 cases. *Cancer*, 64: 1147-1151, 1989.
50. Gallion, H.H., VanNagell, J.R. Jr., Powell, D.E., Donaldson, E.S., Higgins, R.V., Kryscio, R.J., Pavlik, E.J. and Nelson, K. Stage-I serous papillary carcinoma of the endometrium. *Cancer*, 63:224-228, 1989.
51. Martin, C.A., Vore, M., Potts, B.D., Kryscio, R.J., Norton, J.C., Madigan, J.M., Welsh, R.J., Heffron, W.M., Liu, J.P. Methylphenidate plasma concentrations in chronically and acute treated latency-age children. *Pharmacology*, 39: 46-49, 1989.
52. Gallion, H.H., VanNagell, J.R., Powell, D.E., Donaldson, E.S., Higgins, R.V., Kryscio, R.J., Pavlik, E.J., Nelson, K. Stage I serous papillary carcinoma of the endometrium. *Cancer*, 63: 2224-2228, 1989.
53. Pigman, J.G., Agent, K.R., Deacon, J.A. and Kryscio, R.J. Evaluation of unmanned radar installations. *Transportation Research Record*, 1244: 7-16, 1989.
54. Sparks, D.L., Oeltgen, P.R., Kryscio, R.J. and Hunsakar, J.C. Comparison of chemical methods for determining postmortem interval. *Journal of Forensic Sciences*, 34: 197-206, 1989.
55. Malice, M.P. and Kryscio, R.J. Some stochastic models for AIDS. *IMA Journal in Applied Mathematics in Biology and Medicine*, 6: 233-242, 1989.
56. Kryscio, R.J. and Malice, M.P. On modeling the incidence of AIDS. Proceedings of the Conference: *Stochastic Processes in Epidemic Theory*. In *Lecture Notes in Biomathematics*, 86: 46-58, 1990, Heidelberg, Springer-Verlag.
57. Noland, M., Kryscio, R.J., Riggs, R.S., Linville, L.H., Perritt, L.J. and Tucker, T.C. Use of snuff, chewing tobacco and cigarettes among adolescents in a tobacco-producing area. *Addictive Behaviors*, 15: 517-530, 1990.
58. Higgins, R.V., VanNagell, J.R., Donaldson, E.S., Gallion, H.H., Pavlik, E.J. and Kryscio, R.J. The efficacy of laser therapy in the treatment of cervical interepithelial neoplasia. *Gyn. Onc.*, 36: 79-81, 1990.
59. Bondada, S., Morris, J. and Kryscio, R.J. Phenotypic and functional properties of B lymphocytes from aged mice. *Mechanism of Aging and Development*, 51: 223-241, 1990.
60. Patchell, R.A., Tibbs, P.A., Walsh, J.W., Dempsey, R.J., Maruyama, Y., Kryscio, R.J., Markesbery, W.R., MacDonald, J.S. and Young, B. A randomized trial of surgery in the treatment of simple metastasis to the brain. *New England Journal of Medicine*, 494-500, 1990.
61. Sparks, D.L., Hunsakar, J.C., Scheff, S.W., Kryscio, R.J., Hanson, J.C. and Markesbery, W.R. Cortical senile plaques in coronary artery disease, aging and Alzheimer's disease. *Neurology of Aging*, 11: 601-607, 1990.

62. Arcury, T.A., Williams, B.J. and Kryscio, R.J. Birth seasonality in a rural U.S. country, 1911-1979. *American Journal of Human Biology*, 2: 675-689, 1990.
63. Maruyama, Y., Feola, J., Kryscio, R.J. and Wood, C.L. Cf-252 leukemogenesis in C57BL mouse: effect of mixed low dose rate Cf-252 and photon radiation schedule. *Strahlentherapie und Oncologies*, 6: 257-264, 1990.
64. Kryscio, R.J. and Lefevre, C. Measuring the severity of disease clustering using Tango's index. *Mathematical Biosciences*, 107: 235-247, 1991.
65. Smith, H.A., Coons, S.J., Parker, C.L. and Kryscio, R.J. Pharmacy patronage and marketing: strategies for success. *NARD Journal*, February: 41-43, 1991.
66. VanNagell, J.R., DePriest, P.D., Puls, L.E., Donaldson, E.S., Gallion, H.H., Pavlik, E.J., Powell, D.E. and Kryscio, R.J. Ovarian cancer screening in asymptomatic postmenopausal women by transvaginal sonography. *Cancer*, 68(3): 458-462, 1991.
67. Maruyama, Y., VanNagell, J.R., Yoneda, J., Donaldson, E.S., Gallion, H.H., Powell, D. and Kryscio, R.J. A review of Cf-252 neutron brachytherapy for cervical cancer. *Cancer*, 68(6): 1189-1197, 1991.
68. Maruyama, Y., VanNagell, J.R., Powell, D., Yoneda, J., Donaldson, E.S., Gallion, H.H. and Kryscio, R.J. Predictive value of specimen histology after preoperative radiotherapy in the treatment of bulky/barrel carcinoma of the cervix. *Am. J. Clin. Oncol.*, 15(2): 150-156, 1991.
69. Miller, J.P., Patchell, R., Yaes, R., Cin, H.W., Berner, B., Wierzbicki, J., Kryscio, R.J., Maruyama, Y. and Young, A.B. Preliminary report on Cf-252 neutron interstitial implant therapy for glioblastoma multiforme: a phase I trial. *Nuclear Science Applications*, 4, 1991, 281-289.
70. Hall, L.A., Gurley, D.N., Sachs, B. and Kryscio, R.J. Psychological predictors of maternal mental health, parenting attitude, and child behavior in single parent families. *Nursing Research*, 40(4): 214-220, 1991.
71. Maruyama, Y., VanNagell, J.R., Yoneda, J., Donaldson, E.S., Gallion, H.H. and Kryscio, R.J. Cf-252 neutron brachytherapy treatment for cure of cervical cancer. *Nuclear Science Applications*, 4, 181-192, 1991.
72. Maruyama, Y., Donaldson, E.S., VanNagell, J.R., Yoneda, J., Gallion, H.H., Powell, D. and Kryscio, R.J. Specimen finding and survival after preoperative Cf-252 neutron brachytherapy for stage II cervical carcinoma. *Gynecologic Oncology*, 43: 252-259, 1991.
73. Smith, H.A. and Kryscio, R.J. Elaboration of relationships among patronage variables. Chapter 15, *Marketing Pharmaceutical Services: Patron Loyalty, Satisfaction, and Preferences* (H.A. Smith and S.J. Coons, eds.), Pharmaceutical Products Press, New York, 1992.
74. Smith, H.A., Fink, J.L. and Kryscio, R.J. Motivational factors related to decision on pursuing graduate study. *Am. J. of Pharmaceutical Education*, 56: 229-241, 1992.
75. Rayens, M.K. and Kryscio, R.J. Properties of Tango's index for detecting clustering in time. *Statistics in Medicine*, 12: 1813-1828, 1993.
76. Pettigrew, L.C. and Kryscio, R.J. Thromboxane receptor antagonism and synthase inhibition in cerebral ischemia. *Prostaglandins, Leukotrienes and Essential Fatty Acids*, 48(3): 211-217, 1993.

77. Smith, C.D., Gallenstein, L.G., Layton, W.J., Kryscio, R.J. and Markesbery, W.R. Neuropathology and P-magnetic resonance spectroscopy in Alzheimer and Pick's disease. *Neurobiology of Aging*, 14: 85-92, 1993.
78. Maruyama, Y., Yoneda, J., VanNagell, J.R., Gallion, H.H., DePriest, P., and Kryscio, R.J. An evaluation of postoperative radiotherapy versus observation for operable cervical cancer treated with preoperative radiation. *ECHO*, 9: 173-180, 1993.
79. Maruyama, Y., VanNagell, J.R., Yoneda, J., DePriest, P. and Kryscio, R.J. Clinical evaluation of 252CF neutron intracavity therapy for primary endometrial adenocarcinoma. *Cancer*, 71(12): 3932-3937, 1993.
80. Lucas, B.A., Waid, T.H., Thompson, J.S., Brown, S.A., McKeown, J.W., Kryscio, R.J. and Prebeck, R.J. Comparison of T10B9.1A-31 and OKT3 in treating acute renal allograft rejection. *Transplantation Proceedings*, 25(1): 543-545, 1993.
81. Lanska, D.J. and Kryscio, R.J. Geographic distribution of hospitalization rates, case fatality and mortality from stroke in the United States. *Neurology*, 44: 1541-1550, 1994.
82. Maruyama, Y., VanNagell, J.R., Yoneda, J., Powell, D., Gallion, H.H. DePriest, P. and Kryscio, R.J. Histological monitoring of tumor response after preoperative radiotherapy for Stage IB/II cervical cancer. *ECHO*, 10: 97-104, 1994.
83. Hunter, J.E., Trity, D.E., Howell, M.G., DePriest, P.D., Gallion, H.H., Andrews, S.J., Buckley, S.B., Kryscio, R.J. and VanNagell, J.R. The prognostic and therapeutic implications of cytologic atypia in patients with endometrial hyperplasia. *Gynecologic Oncology*, 55: 66-71, 1994.
84. Andrews, S.J., Williams, B.T., DePriest, P.D., Gallion, H.H., Hunter, J.E., Buckley, S.L., Kryscio, R.J. and VanNagell, J.R. Therapeutic implications of lymph nodal spread in lateral T_1 and T_2 squamous cell carcinoma of the valva. *Gynecologic Oncology*, 55: 41-46, 1994.
85. DePriest, P.D., Varner, E., Powell, J., Fried, A., Peels, L., Higgins, R., Shensen, D., Kryscio, R.J., Hunter, J.E., Andrews, S.J., and VanNagell, J.R. The efficacy of a sonographic morphology index in identifying ovarian cancer: a multi-institutional investigation. *Gynecologic Oncology*, 55: 174-178, 1994.
86. Ott, M., Schmidt, J., Young, B., Ott, L., Kryscio, R.J., McClain, C. Nutritional and metabolic variables correlate with amino acid forearm flux in patients with severe head injury. *Critical Care Medicine*, 22(3): 393-398, 1994.
87. Lanska, M.J., Lanska, D.J., Bauman, R.J., and Kryscio, R.J. A population based study of neonatal seizures in Fayette County. *Kentucky Neurology*, 45(4): 724-732, 1995.
88. Pavlik, E.J., VanNagell, J.R., DePriest, P.D., Wheeler, L., Tatman, J.M., Boone, M., Sollais, S., Rayens, M.K., and Kryscio, R.J. Participation in transvaginal ovarian cancer screening: compliance, correlation factors, and costs. *Gynecologic Oncology*, 57: 395-400, 1995.
89. McKnight, R.H., Kryscio, R.J., Mays, J.R., and Rodgers, G.C. Spatial and temporal clustering of an occupational poisoning: the example of green tobacco sickness. *Statistics in Medicine*, 15: 747-757, 1996.
90. Lanska, D.J. and Kryscio, R.J. Modified Box: plots for asymmetric distributions. *Proceedings of Section on Statistical Graphics, Joint Statistical Meetings*, Chicago, 50-53, 1996.

91. Peterson, P.M. and Kryscio, R.J. Edgeworth approximations of null and alternative probabilities for quadratic epidemiologic clustering statistics. *Proceedings of Section on Epidemiology, Joint Statistical Meetings*, Chicago, 1996.
92. Noland, M.P., Kryscio, R.J., Hinkle, J., Riggs, R., Linville, L.H., Ford, V.Y., and Tucker, T.C. Relationship of personal tobacco-raising, parental smoking, and other factors to tobacco use among adolescents living in a tobacco-producing region. *Addictive Behaviors*, 21(3): 349-361, 1996.
93. Young, B., Ott, L., Kasarskis, E., Rapp, R., Hodes, K., Dempsey, R.J., Tibbs, P.A., Kryscio, R.J. and McClain, C. Zinc supplementation is associated with improved neurologic recovery rate and visceral protein levels of patients with severe closed head injury. *Journal of Neurotrauma*, 13(1): 25-34, 1996.
94. Lanska, M.J., Lanska, D.J., Bauman, R.J., Allen, S.J., Slone, K.G., and Kryscio, R.J. Interobserver variability in the classification of neonatal seizures based on medical record data. *Pediatric Neurology*, 15(2): 120-123, 1996.
95. Puls, L.E., Duniho, T., Hunter, J.E., Kryscio, R.J., Blackhurst, D. and Gallion, H. The prognostic implication of ascites in advanced-stage ovarian cancer. *Gynecologic Oncology*, 61: 109-112, 1996.
96. Lanska, D.J. and Kryscio, R.J. Peripartum stroke and intracranial versus thrombosis: results of the National Hospital Discharge Survey, 1979 – 91. *Obstetrics and Gynecology*, 89: 413-418, 1997.
97. Lanska, D.J. and Kryscio, R.J. Endarterectomy for asymptomatic internal carotid artery stenosis. Special invited editorial: *Neurology*, 46: 1481-1490, 1997.
98. Patchell, R.A., Yaes, R.J., Beach, L., Kryscio, R.J., Davis, D.G., Tibbs, P.A. and Young, B. A Phase I trial of neutron brachytherapy for the treatment of malignant gliomas. *The British Journal of Radiology*, 70: 1162-1168, 1997.
99. Miyoshi, Y., Zhang, Z., Ovadia, A., Lapchak, P.A., Collins, F., Hilt, D., Lebel, C., Kryscio, R.J. and Gash, D.M. Glial cell line-derived neurotrophic factor-levodopa interactions and reduction of side effects in Parkinsonian monkeys. *Ann. Neurol.*, 42: 208-214, 1997.
100. Kearns, C., Cass, W.A., Smoot, K., Kryscio, R.J. and Gash, D.M. GDNF protection against 6-OHDA: time dependence and requirement for protein synthesis. *The Journal of Neuroscience*, 17(18): 7111-7118 1997.
101. Waid, T.H., Lucas, B.A., Thompson, J.S., McKeown, J.W., Brown, S., Kryscio, R.J., and Skeeter, L.J. Treatment of renal allograft rejection with T10B9.1A31 or OKT3: final analysis of a Phase II clinical trial. *Transplantation*, 64(2): 274-281, 1997.
102. Kryscio, R.J. Tango Index. *Encyclopedia of Statistical Sciences* (S. Kotz & C.B. Reed, Eds.). Update Volume 2: 661-664, 1998.
103. Lanska, D.J. and Kryscio, R.J. In-hospital mortality following carotid endarterectomy. *Neurology*, 51(2): 440-446, 1998.
104. Noland, M.P., Kryscio, R.J., Riggs, R.S., Linville, L.H., Ford, V.Y. and Tucker, T.C. The effectiveness of a tobacco intervention program with adolescents living in a tobacco producing region. *American J. Public Health*, 88(12), 1862-1865, 1998.
105. Patchell, R.A., Tibbs, P.A., Regine, W.F., Dempsey, R.J., Mohuiddin, M., Kryscio, R.J., Foon, K.A., Markesbery, W.R. and Young, B. Postoperative radiotherapy in the treatment of single metastases to the brain: a randomized controlled trial. *JAMA*, 280(17), 1485-1489, 1998.

106. Cline, G.C. and Kryscio, R.J. Contagion distributions for defining disease clustering in time. *Journal of Statistical Planning and Inference*, 78: 325-347, 1999.
107. Saxe, S.R., Wekstein, M.W., Kryscio, R.J., Henry, R.G., Cornett, C.R., Snowdon, D.A., Grant, F.T., Schmitt, F.A., Donegan, S.J., Wekstein, D.R., Ehmann, W.D., Markesbery, W.R. Alzheimer's Disease, dental amalgams and mercury. *JADA*, 130: 191-199, 1999.
108. Smith, C.D., Umberger, G.H., Manning, E.L., Slevin, J.T., Wekstein, D.R., Schmitt, F.A., Markesbery, W.R., Zhang, Z., Gerhardt, G.A., Kryscio, R.J., Gash, D.M. Critical decline in fine motor hand movements in human aging. *Neurology* 53: 1458-1461, 1999.
109. Smith, C.D., Anderson, A.H., Kryscio, R.J., Schmitt, F.A., Kindy, M.S., Blonder, L.X., Avisom, M.J. Altered brain activation in cognitively intact individuals at high risk for Alzheimer's disease. *Neurology* 53: 1391-1396, 1999.
110. Anderson, J.W., Vichitibandra, S., Qian, W., and Kryscio, R.J. Long term maintenance after an intensive weight-loss program. *J. Am. College Nutrition*, 18(6): 620-627, 1999.
111. Tasdemiroglu E, Patchell RA, Kryscio, R. Neurological complications of childhood malignancies. *Acta Neurochir (Wein)* 141(12): 1313-21, 1999.
112. Rockich KT, Hatton JC, Kryscio RJ, Young BA, Blouin RA. Effect of recombinant human growth hormone and insulin-like growth factor-1 administration on IGF-1 and IGF-binding protein-3 levels in brain injury. *Pharmacotherapy*, 19(12): 1432-6, 1999.
113. Mendiondo, M.S., Ashford, J.W., Kryscio, R.J., and Schmitt, F.S. Modeling Mini-Mental State Exam changes in Alzheimer's disease. *Statistics in Medicine*, 19: 1607-1616, 2000.
114. Kay, L., Wood, C.L, and Kryscio, R.J. On the "optimality" of the maximum cell count in cluster detection. *Proceedings of the Joint Statistical Meetings*, August, 2000.
115. Schmitt, F.A., Miller, J.P., and Kryscio, R.J. Promoting interactions with basic scientists and clinicians: summary of a panel session. *Statistics in Medicine*, 19: 1463-1468, 2000.
116. Lanska, D.J., Kryscio, R.J. Risk factors for peripartum and postpartum stroke and intracranial venous thrombosis. *Stroke*, 31: 1274-1282, 2000.
117. Pavlik, E.J., DePriest, P.D., Gallion, H.H, Ueland, F.R., Reedy, M.B., Kryscio, R.J. and VanNagell, J.R. Ovarian volume related to age. *Gyn. Onc.* 77: 410-412, 2000.
118. Pavlik EJ, Johnson TL II, Depriest PD, Andrykowski MA, Kryscio RJ, van Nagell JR Jr. Continuing participation supports ultrasound screening for ovarian cancer. *Ultrasound Obstet. Gynecol.*, 15(5): 354-64, 2000.
119. Anderson JW, Hanna TJ, Peng X, Kryscio RJ. Whole grain foods and heart disease risk. *J Am Coll Nutr.*, 19(3 Suppl): 291S-299S, 2000.
120. Hill K, Bucuvalas J, McClain C, Kryscio R, Martini RT, Alfaro MP, Maloney M. Pilot study of growth hormone administration during the refeeding of malnourished anorexia nervosa patients. *J Child Adolesc. Psychopharmacol.*, 10(1): 3-8, 2000.
120. VanNagell, J.R., DePriest, P.D., Reedy, M.B., Gallion, H.H., Ueland, F.R., Pavlik, E.J., and Kryscio, R.J. The efficacy of transvaginal sonographic screening in asymptomatic women at risk for ovarian cancer. *Gyn. Onc.*, 77: 350-356, 2000.

121. Lanska, D.J. and Kryscio, R.J. Thumb localizing test for detecting a lesion in the posterior column-medial lemniscus system. *J. Neuro. Sciences*, 174: 152-153, 2000.
122. Pavlik, E.J., Liu, C., DePriest, P.D., Gallion, H.H., Ueland, F.R., Kryscio, R.J., van Nagell, J. Relating ovarian size to age, menopausal status, and use of hormones. Letter to Editor. *Gyn. Oncology*, 80(2): 333-334, 2001.
123. Kesler/West, M.L., Anderson, A.H., Smith, C.D., Avisom, M.J., Davis, C.E., Kryscio, R.J., Blonder, L.X. Neural substrates of facial emotion processing using fMRI. *Cognitive Brain Research* 11: 213-236, 2001.
124. Mendiondo, M.S., Kryscio, R.J., Schmitt, F.A. Models of progression of AD: predicting disability and costs. Invited editorial, *Neurology*, 57: 943-944, 2001.
125. Smith CD, Andersen AH, Kryscio RJ, Schmitt FA, Kindy MS, Blonder LX, Avison MJ. Differences in functional magnetic resonance imaging activation by category in a visual confrontation naming task. *J Neuroimaging*, 11(2): 165-70, 2001.
126. Smith CD, Andersen AH, Kryscio RJ, Schmitt FA, Kindy MS, Blonder LX, Avison MJ. Women at risk for AD show increased parietal activation during a fluency task. *Neurology*, 58(8):1197-202, 2002.
127. Reedy M, Gallion H, Fowler JM, Kryscio R, Smith SA. Contribution of BRCA1 and BRCA2 to familial ovarian cancer: a gynecologic oncology group study. *Gynecol. Oncol.*, 85(2):255-9, 2002.
128. Schilder JM, Thompson AM, DePriest PD, Ueland FR, Cibull ML, Kryscio RJ, Modesitt SC, Lu KH, Geisler JP, Higgins RV, Magtibay PM, Cohn DE, Powell MA, Chu C, Stehman FB, van Nagell J. Outcome of reproductive age women with stage IA or IC invasive epithelial ovarian cancer treated with fertility-sparing therapy. *Gynecol. Oncol.*, 87(1): 1-7, 2002.
129. Salazar, J.C., Tyas, S.L., Snowdon, D.A., Desrosiers, M.F., Riley, K.P., Mendiondo, M.S., and Kryscio R.J. Estimating intensity functions on multi-state Markov models with application to the NUN study. Proc Joint Statistical Meetings, San Francisco, August, 2003.
130. Wilder JL, Pavlik E, Straughn JM, Kirby T, Higgins RV, DePriest PD, Ueland FR, Kryscio RJ, Whitley RJ, van Nagell J. Clinical implications of a rising serum CA-125 within the normal range in patients with epithelial ovarian cancer: a preliminary investigation small star, filled. *Gynecol Oncol.* 89(2):233-5, 2003.
131. Anderson TS, Regine WF, Kryscio RJ, Patchell RA. Neurologic complications of bladder carcinoma: a review of 359 cases. *Cancer*, 97(9): 2267-72, 2003.
132. Pulliam JF, Jennings CD, Kryscio RJ, Davis DG, Wilson D, Montine TJ, Schmitt FA, Markesbery WR. Association of HFE mutations with neurodegeneration and oxidative stress in Alzheimer's disease and correlation with APOE. *Am J Med Genet.* 119B(1): 48-53, 2003.
133. Nath A, Hall E, Tuzova M, Dobbs M, Jons M, Anderson C, Woodward J, Guo Z, Fu W, Kryscio RJ, Wekstein D, Smith C, Markesbery WR, Mattson MP. Autoantibodies to amyloid beta-peptide (Abeta) are increased in Alzheimer's disease patients and Abeta antibodies can enhance Abeta neurotoxicity: implications for disease pathogenesis and vaccine development. *Neuromolecular Med*, 3(1): 29-39, 2003.
134. Modesitt, S.C., Pavlik, E.J., Ueland, F.R., DePriest, P.D., Kryscio, R.J., vanNagell, J.R. Risk of malignancy in unilocular ovarian cystic tumors less than 10 centimeters in diameter, *Obstet Gynecol* 102(3): 594-599, 2003.

135. Ueland, F. R., De Priest, P.D., Pavlik, E.J., Kryscio, R.J., van Nagell, J.R.Jr. Preoperative differentiation of malignant indexing and Doppler flow sonography *Gynecol Oncol* 91(1): 46-50, 2003.
136. Mendiondo, M.S., Ashford, J.W., Kryscio, R.J., Schmitt, F.A. Designing a Brief Alzheimer Screen (BAS). *Journal of Alzheimer's Disease*, 5(5), 391-398, 2003.
137. Hopenhayn, C., Moore, D. B., Huang, B., Redmond, J., Tucker, T.C., Kryscio, R.J., Boissonneault, G.A. Patterns of colorectal cancer incidence, risk factors and screening in Kentucky. *Southern Medical Journal*, May, 2003.
138. Kryscio, R.J., Mendiondo, M.S., Schmitt, F.A., and Markesbery, W.R. Designing a large prevention trial: statistical issues. *Statistics in Medicine*, 23:285-296, 2004.
139. Kryscio, R.J. Lefevre, C. On the extinction of the S-I-S stochastic logistic epidemic. Previously published in *J Applied Prob.* and now republished in a book edited by W. Chen and entitled: *Statistical methods in computer security* (Chapter 14), Marcel-Dekker/ CRC Press, 2004.
140. Wilder, J.L, Shajahan, S., Khattar, N.H., Wilder, D.M., Yin, J., Rushing, R.S., Beaven, R., Kaetzel, C. Ueland, F.R., Van Nagell, J.R., Kryscio, R.J., Lele, S.M. Tamoxifen-associated malignant endometrial tumors: pathologic features and expression of hormone receptors estrogen-alpha, estrogen-beta and progesterone; a case controlled study *Gynecol Oncol* 92(2): 553-558, 2004.
141. Hirschowitz, E.A., Foody, T., Kryscio, R., Dickson, L., Sturgill, J., Yanelli, J. Autologous dendritic cell vaccines for non-small cell lung cancer. *J Clin Oncol* 22(14): 2808-2815, 2004.
142. Kryscio, R.J. Invited online commentary. What is an intraclass correlation coefficient? Crucial concepts for primary care researchers. May/June 2004 issue of *Annals of Family Practice*.
143. Thompson, J.S., Pomeroy, C., Kryscio, R.J., Humphries, S., Brown, S.A., Reece, D., Howard, D.S., Phillips, G. TNF alpha and IL-6 levels as outcome predictors in "high risk" patients undergoing a novel nonmyeloablative allogenic stem cell transplant. *Biol. Blood Marrow Transplant.* 10(12):858-866, 2004.
144. Regine, W.F., Rogozinska, A., Kryscio, R.J., Tibbs, P.A., Young, A.B., Patchell, R.A. Recursive partitioning analysis classifications I and II: applicability evaluated in a randomized trial for resected single brain metastases. *Am. J. Clin. Oncol.*, 27(5): 505-509, 2004.
145. Slevin, J., Gerhardt, G. A., Smith, C.D., Gash, D.M., Kryscio, R., Young, A. B. Research on Parkinson disease. *J Neurosurg.*, 102(2): 401, 2005.
146. Slevin, J., Gerhardt, G. A., Smith, C.D., Gash, D.M., Kryscio, R., Young, A. B. Improvement of bilateral motor functions in patients with Parkinson's disease through the unilateral infusion of glial cell line-derived neurotrophic factor. *J Neurosurg.*, 102(2): 216-222, 2005.
147. Miller, C.S., Avdiushko, S.A., Kryscio, R.J., Dananbar, R.J., Jacob, R.J. Effect of prophylactic valacyclovir on the presence of human herpesviruses DNA in saliva of healthy individuals following dental treatment. *J. Clin. Microbiol.*, 43(5): 2173-2180, 2005.
148. Smith, C.D., Walton A., Loveland A.D., Umberger, G.H., Kryscio R.J., Gash D.M. Memories that last in old age: motor skill learning and memory preservation. *Neurobiol. Aging*, 26(6): 883-890, 2005.

149. Kasarskis E.J., Dempsey-Hall L., Thompson M.M., Luu L.C., Mendiondo, M.S., Kryscio R.J. Rating the severity of ALS by caregivers over the telephone using the ALSFRS-R. *Amyotroph Lateral Scler Other Motor Neuron Disord*, 6(1): 50-54, 2005.
150. Smith C.D., Kryscio R.J., Schmitt F.A., Lovell M.A., Blonder L.X., Rayens W.S., Andersen A.H. Longitudinal functional alterations in asymptomatic women at risk for Alzheimer's disease. *J Neuroimaging*, 15(3): 271-277, 2005.
151. Ueland F.R., DePriest P.D., Desimone C.P., Pavlik E.J., Lele S.M., Kryscio R.J., vanNagell J.R. Jr. The accuracy of examination under anesthesia and transvaginal sonography in evaluating ovarian size. *Gynecol. Oncol.*, 99(2): 400-403, 2005.
152. Camicioli, R., Kryscio, R. Nature throws curve-balls: Apolipoprotein E and non-linear decline in Alzheimer disease. Invited editorial, *Neurology*, 65(12): 1855-1856, 2005.
153. Patchell R.A., Tibbs P.A., Regine W.F., Payne R., Saris S., Kryscio R.J., Mohiuddin M., Young B. Direct decompressive surgical resection in the treatment of spinal cord compression caused by metastatic cancer: a randomized trial. *Lancet*, 366: 643-648, 2005.
154. Markesbery WR, Kryscio RJ, Lovell MA, Morrow JD. Lipid peroxidation is an early event in the brain in amnesic mild cognitive impairment. *Ann Neurol*. 58(5):730-5, 2005.
155. Dietrich CS 3rd, Modesitt SC, DePriest PD, Ueland FR Wilder J, Reedy MB, Pavlik EJ, Cibull M, Giesler J, Manahan K, Huh W, Cohn D, Powell M, Slomovitz B, Higgins RV, Merritt W, Hunter J, Puls L, Gehrig P, van Nagell JR Jr. The efficacy of adjuvant platinum-based chemotherapy in Stage I uterine papillary serous carcinoma (UPSC). *Gynecol Oncol*. 99(3):557-63, 2005.
156. Markesbery W.R., Schmitt F.A., Kryscio R.J., Davis D.G., Smith C.D., Wekstein, D.R. The neuropathologic substrate of mild cognitive impairment. *Archives of Neurology*, 63(1): 38-46, 2006.
157. Greenberg R.N., I. Raad I., Anstead G., Herbrecht R., Langston A., Marr K.A., Mullane K., Schiller G., M., Schuster M., van Burik J., Wingard J.R., Gonzalez C.E., Revankar S.G., Corcoran, G., Kryscio R.J., Hare R. Posaconazole as Salvage Therapy for Zygomycosis. *Antimicrobial Agents & Chemotherapy*, 50(1):126-33, 2006.
158. Thrall M., Gallion H.H., Kryscio R., Kapali M., Armstrong D.K., DeLoia, J.A. BRCA1 expression in a large series of sporadic ovarian carcinomas: a Gynecologic Oncology Group study. *Int. J. Gyn. Cancer*, 16 (Suppl 1): 166-171, 2006.
159. Miller, C.S., King C.P. Jr., Langub, M.C., Kryscio, R.J., Thomas, M. Salivary biomarkers of existing periodontal disease: a cross sectional study. *Journal Amer Dental Assoc*. 137(3): 322-329, 2006.
160. Espinosa PS, Kryscio RJ, Mendiondo MS, Schmitt FA, Wekstein DR, Markesbery WR, Smith CD Alzheimer's disease and head circumference *J Alzheimer's Dis*. 9(1): 77-80, 2006.
161. French JA, Kryscio RJ Active control trials for epilepsy: avoiding bias in head-to-head trials. Invited editorial. *Neurology* 66(9): 1294-1295, 2006.
162. Berger JR, Miller CS, Mootoor Y, Avdiushko SA, Kryscio RJ, Zhu H JC virus detection in bodily fluids: clues to transmission. *Clin Infect Dis* 43(1): 9-12, 2006.

163. Miller CS, Berger JR, Mootoor Y, Avdiushko SA, Zhu H, Kryscio RJ. High prevalence of multiple human herpesviruses in saliva from human immunodeficiency virus-infected persons in the era of highly active antiretroviral therapy. *J Clin Microbiol.* 44(7):2409-15, 2006.
164. Caban-Holt A, Schmitt F.A., Runyons C.R., Kryscio R.J. Mendiondo M.S., Sundquist M.S., Markesbery W.R., Coltman C.A., Crowley J.J., Goodman P., Hartline J.A. Studying the effects of vitamin E and selenium for Alzheimer's disease prevention: the PREADVISE model. *Research and Practice in Alzheimer's Disease and Cognitive Decline.* In: B Vellas LF, H Feldman, E Giacobini, M Grundman, B Winblad, A. Kurz (ed) *Research and Practice in Alzheimer's Disease.* Carma Publishing, 11: 1-6, 2006.
165. Damiano D., Abel M, Romness M, Oeffinger D, Tylkowski C, Gorton G, Bagley A, Nicholson D, Barnes D, Calmes J, Kryscio R, Rogers S Comparing functional profiles of children with hemiplegic and diplegic cerebral palsy in GMFMC Levels I and II: are separate classifications needed? *Dev Med Child Neurol* 48(1): 797-803, 2006.
166. Kryscio RJ, Schmitt FA, Salazar JC, Mendiondo MS, Markesbery, WR. Risk factors for transitions from normal to mild cognitive impairment and dementia *Neurology* 66(6): 828-832, 2006.
167. Caban-Holt, A., Mendiondo, M., Runyons, C., Kryscio, R., Markesbery, W., Schmitt, F. Cognitive screening in the antioxidant AD prevention (PREADVISE) Trial: concordance of MIS and CERAD. *Proceedings, International Conference on Alzheimer's disease, Madrid.. Alzheimer's Disease: New Advances: 49-53, 2006.*
168. Hatton J., Kryscio R., Ryan M., Ott L, Young B. systemic metabolic effects of combined insulin-like growth factor-I and growth hormone in patients who have sustained acute traumatic brain injury. *J Neurosurg*, 105(6): 843-852, 2006.
169. Slavova S, Bunn T., Pavlov D, Kryscio R Surveillance of occupational drivers using k nearest neighbor methods on the line. *Proceedings of the Section on Epidemiology, Joint Statistical Meetings, Seattle, Aug, 2631-2634, 2006.*
170. Tarima S.S., Dmitriev, Y.G., Kryscio R.J. On weighted least squares in the presence of missing data. *Model Assisted Statistics and Applications*, 2(3): 125-136, 2007.
171. Yu L., Tyas S.L., Snowdon D., Kryscio R.J. Effects of ignoring baseline on modeling transitions from intact cognition to dementia *Proceedings of the Section on Epidemiology, Joint Statistical Meetings, Salt Lake City, August, 2007, 134-140.*
172. Salazar, J., Schmitt, F.A., Yu, L., Mendiondo, M., Kryscio, R.J. Shared random effects analysis of multi-state Markov models: application to a longitudinal study of transitions to dementia. *Statistics in Medicine*, 26: 568-580, 2007.
173. Andrykowski M, Zhang M, Pavlik E J, Kryscio R J Factors associated with return for routine annual screening in an ovarian cancer screening program *Gyn Oncology*, 104: 695-701, 2007.
174. Slevin JT, Gash DM, Smith CD, Gerhardt GA, Kryscio RJ, Chebrolu H, Walton A, Wagner R, Young AB Unilateral intraputamin glial cell line-derived neurotrophic factor in patients with Parkinson's disease: response to 1 year each of treatment and withdrawal. *J Neurosurgery*, 106(4): 614-620, 2007.

175. Kryscio, RJ, Schmitt, FA., Mendiondo, M.S., Markesbery, W.R. Hypertension as a risk factor for transitions from normal to dementia and mild cognitive impairment. *Research and Practice in Alzheimer's disease* 12: 139-143, 2007..
176. Tyas S L, Salazar J C, Snowdon D A , Desrosiers M F, Riley K P, Mendiondo, M S, Kryscio R J Transitions to mild cognitive impairment, dementia and death: findings from the NUN study. *Am. J. Epidemiology*, 165(11): 1231-1238, 2007.
177. Van Nagell J.R. Jr., dePriest P.D. Ueland F.R., DeSimone C.P., Cooper A.L., McDonald J.M., Pavlik E.J., Kryscio R.J. Ovarian cancer screening with annual transvaginal sonography: findings of 25,000 women screened *Cancer*, 109(9): 1887-1896, 2007.
178. Oeffinger D., Gorton G., Bagley A., Nicholson D. Calmes J, Abel M., Damiano D, Kryscio R., Rogers S., Tylkowski C. Outcome assessments in children with cerebral palsy, part I: descriptive characteristics of GMFCS Levels I to III. *Dev. Med. Child Neurol*, 49(3): 172-180, 2007.
179. Bagley A.M., Gorton G., Oeffinger D., Barnes D., Calmes J., Nicholson d., Abel M., Kryscio R., Rogers S., Tylkowski C. Outcome assessments I children with cerebral palsy, part II: discriminatory ability of outcome tools *Dev. Med. Child Neurol.*, 49(3): 181-186, 2007.
180. Walker J.L., Kryscio R., Smith J., Pilla A., Siskin B.E. Electromagnetic field treatment of nerve crush injury in a rat model: effect of signal configuration on functional recovery. *Bioelectromagnetics*, 28(4): 256-263, 2007.
181. Modesitt S.C., Tian C., Kryscio R., Thigpen J.T., Randall M.E., Gallion H.H., Fleming G.F. Impact of body mass index on treatment outcomes in endometrial cancer patients receiving doxorubicin and cisplatin: a Gynecology Oncology Group study. *Gynecol. Oncol.*, 105(1): 59-65, 2007.
182. Dietrich C.S. 3rd, DeSimone C.P., Modesitt S.C., Ueland F.R., Pavlik E.J., Kryscio R., Cibull M, Huh W., Partridge E., Nunman T.M., Schidler J., Higgins R.V., van Nagell J.R. 2nd Primary appendiceal cancer: gynecologic manifestations and treatment options *Gynecol. Oncol.* 104(3): 602-606, 2007.
183. Griffith J.R., Clasey J.L., King J.T., Gantz S., Kryscio R.J., Bada H.S. Role of parents in determining children's physical activity. *World J Pediatrics*, 3(4): 265-270, 2007.
184. DeSimone C.P., Van Ness J.S., Cooper A.L., Modesitt S.C., DePriest P.D., Ueland F.R., Pavlik E.J., Kryscio R.J., van Nagell J.R. Jr. The treatment of lateral T1 and T@ squamous cell carcinoma of the vulva confined to the labium majus or minus *Gynecol. Oncol.* 104(2): 390-395, 2007.
185. Christodoulides N, Floriano P.N., Miller C.S., Ebersole J.L., Mohanty S., Dharshan P., Griffin M., Lennart A., Ballrad K.I., King C.P. Jr., Langub M.C., Kryscio R.J., Thomas M.V., McDevitt J.T. Lab-on-a-chip methods for point-of-care measurements of salivary biomarkers of periodontitis. *Ann N.Y. Acad Sci.* 1098: 411-428, 2007.
186. Stein P.S., Derosiers M., Donegan S.L., Yepes J.F., Kryscio R.J. Tooth loss, dementia and neuropathology in the NUN study *J. Am. Dent. Assoc.* 138(10): 1314-1322, 2007.
187. Becker W.J. Kryscio R.J. Treatment of migraine: a headache for the emergency department. Invited editorial, *Neurology* 69(22): 2034-2035, 2007.
188. Pavlov, D., Slavova, S, Kryscio. R.J. Estimating relative risk on the line using nearest neighbor statistics. *Methodol. Comput. Appl. Prob.* Accepted May, 2007. Vol. 11:249-265, 2009.

189. Slavova S., Kryscio R.J., Bunn T. Consistency of the kth nearest neighbor estimator of the relative risk and its application to injury surveillance. *Proceedings Union of Bulgarian Mathematicians*, Borovetz, April, 2008.
190. Anderson J.W., Liu C. Kryscio R.J. Blood pressure response to transcendental meditation: a meta-analysis. *Am.J.Hypertens.* 21(3):310-316, 2008.
191. Chalothron L.A., Beeman C.S., Ebersole J.L., Kluemper G.T., Hicks E.P., Kryscio R.J., DeSimone C.P., Modesitt S.C. Hypodontia as a risk marker for epithelial ovarian cancer: a case-controlled study *J.Am. Dent Assoc.* 139(2): 163-169, 2008.
192. Sparks D.L., Kryscio R.J., Sabbagh M.N., Connor D.J., Sparks L.M., Liesback C. Reduced risk of incident AD with elective statin use in a clinical trial cohort. *Current Alzheimer Research*, 5(4): 416-421, 2008.
193. Hatton, J. Rosbolt, B., Empey, P., Kryscio, R., Young, B. Dosing and safety of cyclosporine in patients with severe brain injury. *J. Neurosurg.* 109(4): 699-707, 2008.
194. Frodge, B.D., Ebersole, J.L., Kryscio, R.J., Thomas M.V., Miller, C.S. Bone remodeling biomarkers of periodontal disease in saliva. *J. Periodontol* 79(10): 1913-1919, 2008.
195. Pettigrew, L.C., Kindy, M.S., Scheff, S., Springer, J.F., Kryscio, R.J., Li, Y., Grass, D.S. Focal cerebral ischemia in the TNF-alpha-transgenic rat. *J. Neuroinflammation* 5(1): (Epub ahead of print PMID 18947406), 2008
196. Kryscio, R.J. Fampridine for MS responders: clinically relevant or hypothesis generating ? Invited Editorial , *Neurology* 71(15) 1130-1131.
197. Kryscio, R.J., Yu, L., Snowdon, D., Tyas, S.L. Models for identifying risk factors for transitions from intact cognition to mild cognitive impairment and dementia. *Proceedings Joint Statistical Meetings*, Denver, 1394-1400, 2008.
198. Nelson, P.T., Abner, E.L., Scheff, S.W., Schmitt, F.A., Kryscio R.J., Jicha, G.A., Smith, C.D., Patel, E. Markesbery, W.R. Alzheimer's type neuropathology in the precuneus is not increased relative to other areas of neocortex across a range of cognitive impairment. *Neurosci. Lett.* (PMID 19010392) 450(3):336-339, 2009
199. Nelson, P.T., Abner E.L., Schmitt, F.A., Kryscio R.J., Jicha, G.A., Smith, C.D., Davis D.G., Poduska, J.W., Patel, E., Mendiondo, M.S., Markesbery, W.R. Modeling the association between 43 different clinical and pathological variables and the severity of cognitive impairment in a large autopsy cohort of elderly persons. *Brain Pathol.* (Epub ahead of print PMID 19021630) 2008
200. Oeffinger, D., Bagley, A., Rogers, S., Gorton, G. Kryscio, R.J., Abel, M., Damiano, D., Barnes, D. Tylkowski, G. Outcome tools used for ambulatory children with cerebral palsy, responsiveness and minimum clinically important differences. *Dev. Med. Child Neurol.* 50(12): 918-925, 2008.
201. Chi, J.H., Gokaslin, Z., McCormick, P., Tibbs, P.A. Kryscio, R.J., Patchell, R. A. Selecting treatment for patients with malignant epidural spine cord compression – does age matter ? Results from a randomized clinical trial. *Spine* (PMID 19212272) 34(5): 431-435, 2009.
202. Nelson, P.T., Kryscio, R.J., Abner, E.L., Schmitt F.A., Jicha, G.A., Mendiondo, M.S., Cooper, G., Smith, C.B., Markesbery, W.R. Acetylcholinesterase inhibitor treatment is associated with relatively slow cognitive decline in patients with Alzheimer's disease and

- AD + DLB. *J. Alzheimer's Dis.*, (PMID 19158418) 16(1): 29-34, 2009.
203. Dawson, D.R., Wang, C., Danaher, R.J., Lin, Y, Kryscio, R.J., Jacob, R.J., Miller, C.S., Salivary levels of Epstein-Barr virus DNA correlate with subgingival levels, not severity of periodontitis. *Oral Dis.*, (PMID 19527448) 15(8): 554-559, 2009.
204. Nelson, P.T., Abner, E.L., Schmitt, F.A., Kryscio, R.J., Jicha, G.A., Santacruz, K, Smith, C.D., Patel, E., Markesbery, W.R. Brains with medial temporal lobe neurofibrillary tangles but no neurotic amyloid plaques are a diagnostic dilemma but may have pathogenetic aspects distinct from Alzheimer disease. *J. Neuropathol. Exp. Neurol.*, (PMID 19535994), 68(7): 774-784, 2009.
205. Pavlik, E.J., Saunders, B.A., Doran, S., McHugh, K.W., Ueland, F.R., DeSimone, C.P., DePriest, P.D., Ware, R.A., Kryscio, R.J., van Nagell, J.R. The search for meaning- Symptoms and transvaginal sonography screening for ovarian cancer: predicting malignancy. *Cancer* (PMID 19603478) 115(16): 3689-3698, 2009.
206. Walsh, S.L., Kryscio, R., Holsinger, J.W., Krous, H.F. Statewide systematic evaluation of sudden, unexpected infant death classification: results from a national pilot project. *Matern Child Health J* (Epub ahead of print, PMID 19771503) 2009.
207. Nelson, P.T., Jicha, G.A., Kryscio, R.J., Abner, E.L., Schmitt, F.A., Cooper, G., Xu, L.O., Smith, C.D., Markesbery, W.R. Low sensitivity in clinical diagnosis of dementia with Lewy bodies (Epub ahead of print, PMID 19795054), 2009.
208. Nelson, P.T., Kryscio, R.J., Jicha, G.A., Abner, E. L., Schmitt, F.A., Xu, L.O., Cooper, G., Smith, C.D., Markesbery, W.R. Relative preservation of MMSE scores in autopsy proven dementia with Lewy bodies. *Neurology* (PMID 19805729) 73(14): 1127-1133, 2009.
209. Yanelli, J.R., Tucker, J.A., Hidalgo, G., Perkins, S., Kryscio, R., Hirschowitz, E.A. Characteristics of PBMC obtained from leukapheresis products and tumor biopsies of patients with non-small lung cancer. *Oncol. Rep.* (PMID 19885600) 22(8): 1459-1471, 2009.
210. Xu, L, Snowdon, D., Kryscio, R.J. A Markov transition model to dementia with death as a competing event. *Proceedings, Joint Statistical Meetings, Washington*: 4671-4680, 2009.
211. Cooper, A.L., Nelson, D.F., Doran, S., Ueland, F.R., Desimone, C.P., DePriest, P.D., McDonald, J.M., Saunders, B.A., Ware, R.A., Pavlik, E.J., Kryscio, R.J., Karpf, M., van Nagell, J.R. Long term survival and cost of treatment in patients with Stage IUIIC epithelial ovarian cancer. *Current Women's Health Reviews* 5(1): 44-50, 2009.
212. Nelson PT, Abner EL, Schmitt FA, Kryscio RJ, Jicha GA, Smith CD, Davis DG, Poduska JW, Patel E, Mendiondo MS, Markesbery WR. Modeling the association between 43 different clinical and pathological variables and the severity of cognitive impairment in a large autopsy cohort of elderly persons. *Brain Pathol.* 2010 Jan;20(1):66-79.
213. Yu L, Tyas SL, Snowdon DA, Kryscio RJ. Effects of ignoring baseline on modeling transitions from intact cognition to dementia *Comput Stat Data Anal.* 2009; 53(9):3334-3343.

214. Dawson DR, Wang C, Danaher RJ, Lin Y, Kryscio RJ, Jacob RJ, Miller CS. Real time polymerase chain reaction to determine the prevalence and copy number of Epstein-barr virus and cytomegalovirus DNA in subgingival plaque at individual healthy and periodontal disease sites *J Periodontol*. 2009 Jul;80(7):1133-40.
215. Sparks DL, Kryscio RJ, Connor DJ, Sabbagh MN, Sparks LM, Lin Y, Liebsack C. Cholesterol and cognitive performance in normal controls and the influence of elective statin use after conversion to mild cognitive impairment: results in a clinical trial cohort. *Neurodegener Dis*. 2010;7(1-3):183-6.
216. Stein PS, Kryscio RJ, Desrosiers M, Donegan SJ, Gibbs MB. Tooth loss, apolipoprotein E, and decline in delayed word recall. *J Dent Res*. 2010; 89(5):473-7.
217. Wang CC, Yepes LC, Danaher RJ, Berger JR, Mootoor Y, Kryscio RJ, Miller CS. Low prevalence of varicella zoster virus and herpes simplex virus type 2 in saliva from human immunodeficiency virus infected persons in the era of highly active antiretroviral therapy. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod*. 2010; 109(2):232-7.
218. McDonald JM, Doran S, DeSimone CP, Ueland FR, DePriest PD, Ware RA, Saunders BA, Pavlik EJ, Goodrich S, Kryscio RJ, van Nagell JR Jr. Predicting risk of malignancy in adnexal masses. *Obstet Gynecol*. 2010; 115(4):687-94.
219. Saunders BA, Podzielinski I, Ware RA, Goodrich S, DeSimone CP, Ueland FR, Seamon L, Ubellacker J, Pavlik EJ, Kryscio RJ, van Nagell JR Jr. Risk of malignancy in sonographically confirmed septated cystic ovarian tumors. *Gynecol Oncol*. 2010; 118(3): 278-82.
220. Nelson PT, Schmitt FA, Jicha GA, Kryscio RJ, Abner EL, Smith CD, Van Eldik LJ, Markesbery WR. Association between male gender and cortical Lewy body pathology in large autopsy series. *J Neurol*. 2010; 257(11):1875-81
221. Hu Y, Gu Q, Lin RL, Kryscio R, Lee LY. Calcium treatment evoked by TRPV1 activators is enhanced by tumor necrosis factor-(alpha) in rat pulmonary sensory neurons. *Am J Physiol Lung Cell Mol Physiol*. 2010; 299(4):L483-92.
223. Murphy MP, Morales J, Beckett TL, Astarita G, Piomelli D, Weidner A, Studzinski CM, Dowling AL, Wang X, Levine H 3rd, Kryscio RJ, Lin Y, Barrett E, Head E. Changes in cognition and amyloid- β processing with long term cholesterol reduction using atorvastatin in aged dogs. *J Alzheimers Dis*. 2010;22(1):135-50.
224. Mirrieles J, Crofford LJ, Lin Y, Kryscio RJ, Dawson Iii DR, Ebersole JL, Miller CS. Rheumatoid arthritis and salivary biomarkers of periodontal disease. *J Clin Periodontol*. 2010; 37(12):1068-74.
225. Reneer DV, Hisel RD, Hoffman JM, Kryscio RJ, Lusk BT, Geddes JW. A multi-mode shock tube for investigation of blast-induced traumatic brain injury. *J Neurotrauma*. 2011 28(1): 95-104.

226. Yu, L., Griffith, W.S., Tyas, S.L., Snowdon, D.A., Kryscio, R.J. A nonstationary Markov transition model for computing the relative risk of dementia before death. *Statistics in Medicine*, 2010; 29: 639-648.
227. Kasarskis EJ, Mendiondo MS, Wells S, Malguizo MS, Thompson M, Healey M, Kryscio RJ; For The ALS Nutrition/NIPPV Study Group. The ALS Nutrition/NIPPV Study: Design, feasibility, and initial results. *Amyotroph Lateral Scler*. 2011 Jan;12(1):17-25.
228. Charnigo R, Kryscio R, Bardo MT, Lynam D, Zimmerman RS. . Joint modeling of longitudinal data in multiple behavioral change. *Eval Health Prof*. 2011 Jun;34(2):181-200.
229. Abner EL, Schmitt FA, Mendiondo MS, Marcum JL, **Kryscio RJ**. Vitamin E and all-cause mortality: a meta-analysis. *Curr Aging Sci*. 2011 Jul;4(2):158-70.
230. Migongo AW, Charnigo R, Love MM, Kryscio R, Fleming ST, Pearce KA Factors Relating to Patient Visit Time With a Physician. *Med Decis Making*. 2012 32(1):93-114.
231. Abner EL, Kryscio RJ, Schmitt FA, Santacruz KS, Jicha GA, Lin Y, Neltner JM, Smith CD, Van Eldik LJ, Nelson PT. "End-stage" neurofibrillary tangle pathology in preclinical Alzheimer's disease: fact or fiction ? *J Alzheimers Dis*. 2011;25(3):445-53.
232. Sexton WM, Lin Y, Kryscio RJ, Dawson DR 3rd, Ebersole JL, Miller CS. Salivary biomarkers of periodontal disease in response to treatment. *J Clin Periodontol*. 2011 May;38(5):434-41.
233. Riley KP, Jicha GA, Davis D, Abner EL, Cooper GE, Stiles N, Smith CD, Kryscio RJ, Nelson PT, Van Eldik LJ, Schmitt FA. Prediction of preclinical Alzheimer's disease: longitudinal rates of change in cognition. *J Alzheimers Dis*. 2011 Jan 1;25(4):707-17.
234. Jicha GA, Abner EL, Schmitt FA, Kryscio RJ, Riley KP, Cooper GE, Stiles N, Mendiondo MS, Smith CD, Van Eldik LJ, Nelson PT. Preclinical AD Workgroup staging: pathological correlates and potential challenges. *Neurobiol Aging*. 2012 33(3): 622e1-622e16.
235. Nelson PT, Head E, Schmitt FA, Davis PR, Neltner JH, Jicha GA, Abner EL, Smith CD, Van Eldik LJ, Kryscio RJ, Scheff SW. Alzheimer's disease is not "brain aging": neuropathological, genetic, and epidemiological human studies. *Acta Neuropathol*. 2011 May;121(5):571-87.
236. Mitchell MD, Mannino DM, Steinke DT, Kryscio RJ, Bush HM, Crofford LJ. Association of smoking and chronic pain syndromes in kentucky women. *J Pain*. 2011 Aug;12(8):892-9.
237. Hunter MP, Nelson M, Kurzer M, Wang X, Kryscio RJ, Head E, Pinna G, O'Bryan JP. . Intersectin 1 contributes to phenotypes in vivo: implications for Down's syndrome. *Neuroreport*. 2011; 22(15):767-72.
238. Nelson PT, Schmitt FA, Lin Y, Abner EL, Jicha GA, Patel E, Thomason PC, Neltner JH, Smith CD, Santacruz KS, Sonnen JA, Poon LW, Gearing M, Green RC, Woodard JL, Van Eldik LJ, Kryscio RJ .Hippocampal sclerosis in advanced age: clinical and pathological features. *Brain*. 2011 May;134(Pt 5):1506-18.

239. Richert ND, Kryscio RJ. Does one guideline fit all ? Invited Editorial . Neurology 2011 77(24): 2080-2081.
240. van Nagell JR Jr., Miller RW, DeSimone CP, Ueland FR, Podzielinski I, Goodrich ST, Elder JW, Huang B., Kryscio RJ, Pavlik EJ. Long term survival of women with epithelial ovarian cancer detected by ultrasonography screening Obstet Gynecol 2011 118(6): 1212-1221.
241. Al-Sabbagh M, Alladah A, Lin Y, Kryscio RJ, Thomas MV, Ebersole JL, Miller CS. Bone remodeling associated salivary biomarker MIP-1 α distinguishes periodontal disease from health. J. Periodntal Res. 2012 47(3): 389-395.
242. Abner EL, Kryscio RJ, Cooper GE, Fardo DW, Jicha GA, Mendiondo MS, Nelson PT, Smith CD, Van Eldik LJ, Wan L, Schmitt FA. Mild cognitive impairment: statistical models of transition using longitudinal clinical data. International Journal of Alzheimer's disease, 2012, 9 pages, Article ID 29190. doi:10.1155/2012/291920.
243. Schmitt FA, Nelson PT, Abner E, Scheff S, Jicha GA, Smith C, Cooper G, Mendiondo M, Danner DD, Van Eldik LJ, Kryscio RJ. University of Kentucky Sanders-Brown Healthy Brain Aging Volunteers: Donor Characteristics, Procedures, and Neuropathology. Current Alzheimer's Research 2012; 9(6): 724-733.
244. Blonder, L.X., Pettigrew, L.C., Kryscio, R. J. Emotion Recognition and Marital Satisfaction in Stroke. Journal of Clinical and Experimental Neuropsychology. 2012;34(6):634-42.
245. Kuklina EV, Kryscio RJ. Is spinal cord injury a new emerging risk factor for stroke ? Invited Editorial. Neurology 2012: 78(14): 1034-1035.
246. Deibert E, Kryscio RJ. How many HITS are too many ? The use of accelerometers to study sports-related concussion. Invited Editorial. Neurology 2012 78(22): 1712-1713.
247. Caban-Holt A, Abner E, Kryscio RJ, Crowley JJ, Schmitt FA. Age-expanded normative data for the Ruff 2&7 Selective Attention Test: evaluating cognition in older males. Clin. Neuropsychol. 2012 26(5): 751-768.
248. Gold M, Newhouse PA, Howard D, Kryscio RJ Nicotine treatment of mild cognitive impairment: a 6 month double-blind pilot clinical trial. Neurology 2012, to appear.
249. Foley JD 3rd, Sneed JD, Steinhubl SR, Kolasa J, Ebersole JL, Lin Y, Kryscio RJ, McDevitt JT, Campbell CL, Miller CS. Oral fluids that detect cardiovascular disease biomarkers. Oral Surg Oral Med Oral Pathol Oral Radiol 2012 114(2): 207-214
250. Ebersole JL, Schuster JL, Stevens J, Dawson D 3RD, Kryscio RJ, Lin Y, Thomas MV, Miller CS. Patterns of salivary analytes provide diagnostic capacity for distinguishing chronic adult periodontitis from health. J.Clin. Immunol. 33(1): 271-279, 2013.
251. Foley JD 3rd, Sneed JD, Steinhubl SR, Kolasa JR, Ebersole JL, Lin Y, Kryscio RJ, McDevitt JT, Campbell CL, Miller CS. Salivary biomarkers associated with myocardial necrosis: results from an alcohol septal ablation model. Oral Surg Oral Med Oral Pathol

- Oral Radiol 2012 114(5): 616-623.
252. Niedowicz DM, Beckett TL, Mateev S, Weidner AM, Baig I, Kryscio RJ, Mendiondo MS, Levine H 3rd, Keller JN, Murphy MP. Pittsburgh compound B and the postmortem diagnosis of Alzheimer Disease. *Ann Neurol* 2012 72(4): 564-570.
253. Abner EL, Dennis BC, Mathews MJ, Mendiondo MS, Caban-Holt A, Kryscio RJ, Schmitt FA. Practice effects in a longitudinal multi-center Alzheimer's disease prevention trial. *Trials* 2012, Nov 20;13:217. doi: 10.1186/1745-6215-13-217
254. Kryscio RJ, Abner EL. Are Markov and semi-Markov models flexible enough for cognitive panel data ? Invited Editorial. *J. Biomet. Biostat.* 2013,4(1): doi: 10.4172/2155-6180.1000e122.
255. Kryscio RJ, Abner EL, Schmitt FA, Goodman PJ, Mendiondo M, Caban-Holt A, Dennis BC, Mathews M, Klein EA, Crowley JJ for the SELECT Investigators. A randomized controlled Alzheimer's disease prevention trial's evolution into an exposure study: the PREADViSE trial. *J. Nutrition: Health and Aging*, 2013, 17(1): 72-75.
256. Sparks DL, Kryscio RJ, Sabbagh MN, Ziolkowski C, Lin Y, Sparks LM, Liebsack C, Johnson-Traver S. Tau is reduced in AD plasma and validation of employed ELISA methods. *Am J Neurodegener Dis.* 2012;1(1):99-106.
257. Gold BT, Kim C, Johnson NF, Kryscio RJ, Smith CD. Lifelong bilingualism maintains neural efficiency for cognitive control in aging. *J Neurosci.* 2013; 33(2):387-96.
258. Young B, Shivazad A, Kryscio RJ, St Clair W, Bush HM. Long-term outcome of high-dose Gamma Knife surgery in treatment of trigeminal neuralgia. *J Neurosurg.* 2013; 119(5):1166-75.
259. Mathews M, Abner E, Caban-Holt A, Kryscio R, Schmitt F. CERAD practice effects and attrition bias in a dementia prevention trial. *Int Psychogeriatr.* 2013; 25(7):1115-23.
260. Lin RL, Lin YJ, Geer MJ, Kryscio R, Lee LY. Pulmonary chemoreflex responses are potentiated by tumor necrosis factor-alpha in mice. *J Appl Physiol* (1985). 2013; 114(11):1536-43.
261. Randall K, Stevens J, Yepes JF, Randall ME, Kudrimoti M, Feddock J, Xi J, Kryscio RJ, Miller CS. Analysis of factors influencing the development of xerostomia during intensity-modulated radiotherapy. *Oral Surg Oral Med Oral Pathol Oral Radiol.* 2013; 115(6):772-9.
262. Sparks LD, Kryscio RJ, Hunsaker JC 3rd. Early age-related progression of AD-like neuropathology in Down's syndrome. *Am J Neurodegener Dis.* 2013; 21;2(2):121-8.
263. Blonder LX, Slevin JT, Kryscio RJ, Martin CA, Andersen AH, Smith CD, Schmitt FA. Dopaminergic modulation of memory and affective processing in Parkinson depression. *Psychiatry Res.* 2013; 210(1):146-9.
264. Pavlik EJ, Ueland FR, Miller RW, Ubellacker JM, DeSimone CP, Elder J, Hoff J, Baldwin L, Kryscio RJ, van Nagell JR Jr. Frequency and disposition of ovarian abnormalities

- followed with serial transvaginal ultrasonography. *Obstet Gynecol.* 2013; 122(2 Pt 1):210-7.
265. Espinosa PS, Espinosa PH, Basantes AG, Velez RM, Echeverria GA, Mendiondo MS, Schmitt FA, Jicha GA, Kryscio RJ, Galvn JE, Smith CD. Validation study of the AD8 and CDR Spanish versions for detecting dementia in Ecuador. *J. Ky. Med. Assoc.*, 2013; 111: 5-11.
266. Mathews M, Abner E, Caban-Holt A, Dennis BC, **Kryscio R**, Schmitt F. Quality of education and memory test performance in older men: the New York University Paragraph Recall Test normative data. *Curr Alzheimer Res.* 2013; 10(7): 776-83.
267. Bonda DJ, Stone JG, Torres SL, Siedlak SL, Perry G, **Kryscio R**, Jicha G, Casadesus G, Smith MA, Zhu X, Lee HG. Dysregulation of leptin signaling in Alzheimer disease: evidence for neuronal leptin resistance. *J Neurochem.* 2014, 128(1): 162-172.
268. Nelson PT, Smith CD, Abner EL, Wilfred BJ, Wang WX, Neltner JH, Baker M, Fardo DW, **Kryscio RJ**, Scheff SW, Jicha GA, Jellinger KA, Van Eldik LJ, Schmitt FA. Hippocampal sclerosis of aging, a prevalent and high-morbidity brain disease. *Acta Neuropathol.* 2013 Aug;126(2):161-77. doi: 10.1007/s00401-013-1154-1. Epub 2013.
269. **Kryscio RJ**, Abner EL, Lin Y, Cooper GE, Fardo DW, Jicha GA, Nelson PT, Smith CD, Van Eldik LJ, Wan L, Schmitt FA. Adjusting for mortality when identifying risk factors for transitions to mild cognitive impairment and dementia. *J Alzheimer's Dis.* 2013; 35(4):823-32.
270. Boral LI, Staubach ZG, de Leeuw R, MacOvor DC, **Kryscio R**, Bada HS. Comparison of group O vs non-group O premature neonates receiving group O RBC transfusions. *Am. J. Clin. Pathol.* 2013 140: 780-786.
271. Abner EL, Nelson PT, Schmitt FA, Browning SR, Fardo DW, Wan L, Jicha GA, Cooper GE, Smith CD, Caban-Holt AM, van Eldik LJ, **Kryscio RJ**. Self reported head injury and risk of late life impairment and AD pathology in an AD Center cohort. *Dementia and Geriatric Disorders* 2014 37: 294-306.
272. Mathews M, Abner E, **Kryscio R**, Jicha G, Cooper G, Smith C, Caban-Holt A, Schmitt FA. Diagnostic accuracy and practice effects in the National Alzheimer's Coordinating Center Uniform Data Set neuropsychological battery *Alzheimer's & Dementia* 2014, 10(6): 675-683.
272. Syndergaard B, Al-Sabbagh M, Kryscio RJ, Xi J, Ding X, Ebersole JL, Miller CS. Salivary biomarkers associated with gingivitis and response to therapy. *J. Periodontology*, 2014, 85(8): e295-303.
273. Kasarskis, E, Mendiondo MS, Matthews DE, Mitsumoto H, Tandon R, Simmons Z, Bromberg MB, **Kryscio RJ**. Estimating daily energy expenditure in individuals with amyotrophic lateral sclerosis. *Am. J. Clin. Nutr.* 2014, 99(4): 792-803.
274. Gooding LF, Abner EL, Jicha GA, **Kryscio RJ**, Schmitt FA. Musical training and late-life

- cognition. *Am. J. Alzheimers Dis Other Dement.* 2013, 29(4): 333-343.
275. Neltner JH, Abner EL, Baker S, Schmitt FA, **Kryscio RJ**, Jicha GA, Smith CD, Hammack E, Kukull WA, Brenowitz WD, Van Eldik LJ, Nelson PT. Arteriolosclerosis that affects multiple brain regions is linked to hippocampal sclerosis of ageing. *Brain* 2014, 137(1): 255-267.
276. McBride JC, Zhao X, Munro NB, Smith CD, Jicha GA, Hively L, Broster LS, Schmitt FA, **Kryscio RJ**, Jiang Y. Spectral and complexity analysis of scalp EEG characteristics for mild cognitive impairment and early Alzheimer's disease.. *Comput. Methods Programs Biomed.* 2014, 114 92): 153-163.
277. Nelson PT, Estus S, Abner EL, Parikh I, Malik M, Neltner JH, Ighodaro E, Wang WX, Wilfred BR, Wang LS, Kukull WA, Nandakumar K, Farman ML, Poon WW, Corrada MM, Kawas CH, Cribbs DH, Bennett DA, Schneider JA, Larson EB, Crane PK, Valladares O, Schmitt FA, **Kryscio RJ**, Jicha GA, Smith CD, Scheff SW, Sonnen JA, Haines JL, Pericak-Vance MA, Mayeux R, Farrer LA, Van Eldik LJ, Horbinski C, Green RC, Gearing M, Poon LW, Kramer PL, Woltjer RL, Montine TJ, Partch AB, Rajic AJ, Richmire K, Monsell SE; Alzheimer' Disease Genetic Consortium, Schellenberg GD, Fardo DW. ABCC9 gene polymorphism is associated with hippocampal sclerosis of aging pathology. *Acta Neuropathol.* 2014, 127(6): 825-843.
278. Abner EL, Charnigo RJ, **Kryscio RJ**. Markov chains and semi-Markov models in time to event analysis. *J. Biom. Biostat.* 2013, Oct 25: Suppl 1(e001): 19522.
279. Gold BT, Zhu Z, Brown CA, Andersen AH, Tai L, Jicha GA, **Kryscio RJ**, Estus S, Nelson PT, Scheff SW, Abner E, Schmitt FA, Van Eldik LJ, Smith CD. White matter integrity is associated with cerebrospinal fluid markers of Alzheimer's disease in normal adults. *Neurobiol. Aging* 2014, 35(10): 2263-2271.
280. Miller CS, Foley JD 3rd, Floriano PN, Christodoulides N, Ebersole JL, Campbell CL, Bailey AL, Rose BG, Kinane DF, Novak MJ, McDevitt JT, Ding X, **Kryscio RJ**. Utility of salivary biomarkers for demonstrating acute myocardial infarction. *J. Dent. Res.* 2014, 93(7 suppl)72S-79S.
281. **Kryscio RJ**, Secondary prevention trials in Alzheimer disease: the challenge of identifying a meaningful end point. Invited editorial. *JAMA Neurol*, 2014, 71(8): 847-949.
282. Oeffinger D, Gorton G, Hassani S, Sison-Williamson M, Johnson B, Whitmer M, Romness M, **Kryscio RJ**, Tytkowski C, Bagley A. Variability explained by strength, body composition and gait impairment in activity and participation measures for children with cerebral palsy: a multicentre study. *Clin. Rehabil.* 2014, 28(10): 1053-1063.
283. Elder JW, Pavlik EJ, Long A, Miller RW, DeSimone CP, Hoff JT, Ueland WR, **Kryscio RJ**, vanNagell JR Jr., Ueland FR. Serial ultrasonographic evaluation of ovarian abnormalities with a morphology index. *Gynecol. Oncol.* 2014, 135(1): 8-12.
284. Lahoti S, Gokhale S, Caplan L, Michel P, Samson Y, Rosso C, Limaye K, Hindija A, Singhai A, Ali S, Pettigrew LC, **Kryscio RJ**, Dedhia N, Hastak S, Liebeskind DS. Thrombolysis in ischemic stroke without arterial occlusion at presentation. *Stroke* 2014,

45(9): 2722-2727.

286. Wei S, Xu L., **Kryscio RJ**. Markov transition model to dementia with death as a competing event. *Comput. Stat. Data Anal.* 2014, 80: 78-88.
287. Hou Y, Shang Y, Cheng R, Zhao Y, Qin Y, **Kryscio RJ**, Rayapati A, Hayes, D, Yu G. Obstructive sleep apnea-hypopnea results in significant variations in cerebral hemodynamics detected by diffuse optical spectroscopies. *Physiol. Meas.* 2014, 35(10): 2135-2148.
288. Hoff J, Baldwin L, Lefringhouse J, Pavlik E, Miller R, DeSimone C, Ueland F, Tucker T, **Kryscio RJ**, vanNagell JR jr. Survival advantage associated with decrease in stage at detection from Stage IIIc to Stage IIA epithelial ovarian cancer. *J. Oncol.* 2014, 312193.doi: 10.1155/2014/31293.
289. Foley JD, Miller CS, Sneed JD, Ebersole JL, **Kryscio RJ**, McDevitt JT, Campbell CL. Serum biomarker release patterns following alcohol septal ablation for treatment of hypertrophic cardiomyopathy. *Current Biomarker Findings* 2014, 4: 161-168.
290. Wei S, **Kryscio RJ**. Semi-Markov models for interval censored transient cognitive states with back transitions and a competing risk. *Stat. Methods Med. Res.* 2016, 25(6): 2609-2924.
291. **Kryscio RJ**, Abner EL, Cooper GE, Fardo DW, Jicha GA, Nelson PT, Smith CD, Van Eldik LJ, Wan L, Schmitt FA. Self-reported memory complaints: implications from a longitudinal cohort with autopsies. *Neurology* 2014, 83(15): 1359-1365.
292. McBride JC, Zhao X, Munro NB, Jicha GA, Schmitt FA, **Kryscio RJ**, Smith CD, Jiang Y. Sugihara causality analysis of scalp EEG for detection of early Alzheimer's disease. *Neuroimage Clin.* 13(7): 258-265, 2014.
293. Katsumata Y, Mathews M, Abner EL, Jicha GA, Caban-Holt A, Smith CD, Nelson PT, **Kryscio RJ**, Schmitt FA, Fardo DW. Assessing the discriminant ability, reliability, and comparability of multiple short forms of the Boston Naming Test in an Alzheimer's disease center cohort. *Dement Geriatr Cogn Disord.* 39(3-4):215-27, 2015.
294. Patel R, Donohue KD, Unnikrishnan H, **Kryscio RJ**. Kinematic measurements of the vocal-fold displacement waveform in typical children and adult populations: quantification of high-speed endoscopic videos. *J Speech Lang Hear Res.* 58(2):227-40, 2015.
295. Ray DS, Wiemann AH, Patel PB, Ding X, **Kryscio RJ**, Miller CS. Estimation of the rate of tooth wear in permanent incisors: a cross sectional digital radiographic study. *J Oral Rehabil.* 42(6): 460-466, 2015.
296. Yu L, Boyle PA, Leurgans S, Schneider JA, **Kryscio RJ**, Wilson RS, Bennett DA. Effect of common neuropathologies on progression of late life cognitive impairment. *Neurobiol Aging.* 36(7):2225-2231, 2015.
297. Abner EL, Schmitt FA, Nelson PT, Lou W, Wan L, Gauriglia R, Dodge HH, Woltjer

- RL, Yu L, Bennett DA, Schneider JA, Chen R, Masaki K, Katz MJ, Lipton RB, Dickson DW, Lim KO, Hemmy LS, Cairns NJ, Grant E, Tyas SL, Xiong C, Fardo DW, **Kryscio** RJ The statistical modeling of aging and risk of transitions project: data collection and harmonization across 11 longitudinal cohort studies of aging, cognition, and dementia. *Obs. Stud.* 1: 56-73, 2015.
298. Bachstetter AD, Van Eldik LJ, Schmitt FA, Neltner JH, Ighodaro ET, Webster SJ, Patel E, Abner EL, **Kryscio** RJ, Nelson PT. Disease-related microglia heterogeneity in the hippocampus of Alzheimer's disease, dementia with Lewy bodies, and hippocampal sclerosis of aging. *Acta Neuropathol Commun.* 3:32. doi: 10.1186/s40478-015-0209-z, 2015.
299. Ighodaro ET, Jicha GA, Schmitt FA, Neltner JH, Abner EL, **Kryscio** RJ, Smith CD, Duplessis T, Anderson S, Patel E, Bachstetter A, Van Eldik LJ, Nelson PT. Hippocampal Sclerosis of Aging Can Be Segmental: Two Cases and Review of the Literature. *J Neuropathol Exp Neurol.* 74(7):642-52, 2015.
300. Abner EL, **Kryscio** RJ, Caban-Holt AM, Schmitt FA. Baseline subjective memory complaints associate with increased risk of incident dementia: the PREADVISE trial. *J Prev Alzheimers Dis.* 2(1):11-16, 2015.
301. Lovell MA, Abner E, **Kryscio** R, Xu L, Fister SX, Lynn BC. Calcium Channel Blockers, Progression to Dementia, and Effects on Amyloid Beta Peptide Production. *Oxid Med Cell Longev.* doi: 10.1155/2015/787805. Epub 2015 Jun 28, 2015.
302. Gibson SB, Kasarskis EJ, Hu N, Pulst SM, Mendiondo MS, Matthews DE, Mitsumoto H, Tandan R, Simmons Z, **Kryscio** RJ, Bromberg MB. Relationship of creatine kinase to body composition, disease state, and longevity in ALS. *Amyotroph Lateral Scler Frontotemporal Degener.* 16(&-8): 473-477; 2015.
303. Wallace J, White H, Xi J, **Kryscio** R, Augsburger S, Milbrandt T, Talwalkar V, Iwinski H, Walker J. Pedobarographic changes in Ponseti-treated clubfeet with and without anterior tibialis tendon transfer: changes due to growth and surgical intervention. *J Pediatr Orthop B* 25(2): 89-95; 2016.
304. Neltner JH, Abner EL, Jicha GA, Schmitt FA, Patel E, Poon LW, Marla G, Green RC, Davey A, Johnson MA, Jazwinski SM, Kim S, Davis D, Woodard JL, **Kryscio** RJ, Van Eldik LJ, Nelson PT. Brain pathologies in extreme old age. *Neurobiol Aging* 37:1-11; 2016.
305. Ighodaro ET, Abner EL, Fardo DW, Lin AL, Katsumata Y, Schmitt FA, **Kryscio** RJ, Jicha GA, Neltner JH, Monsell SE, Kukull WA, Moser DK, Appiah F, Bachstetter AD, Van Eldik LJ; Alzheimer's Disease Neuroimaging Initiative (ADNI), Nelson PT. Risk factors and global cognitive status related to brain arteriolosclerosis in elderly individuals. *J cereb Blood flow Metab.* Epub ahead of print; 2016.
306. Andersen AH, Smith CD, Slevin JT, **Kryscio** RJ, Martin CA, Schmitt FA, Blonder LX. Dopaminergic modulation of medial prefrontal cortex deactivation in Parkinson depression. *Parkinson Dis.* Epub 2015:513452. doi: 10.1155/2015/513452.

307. Abner EL, Nelson PT, **Kryscio** RJ, Schmitt FA, Fardo DW, Woltjer RL, Cairns NJ, Yu L, Dodge HH, Xiong C, Masaki K, Tyas SL, Bennett DA, Schneider JA, Arvanitakis Z. Diabetes is associated with cerebrovascular but not Alzheimer neuropathology. *Alzheimers Dement* Epub ahead of print; 2016.
308. Jiang Y, Huang H, Abner E, Broster LS, Jicha GA, Schmitt FA, **Kryscio** R, Andersen A, Powell D, Van Eldik L, Gold BT, Nelson PT, Smith C, Ding M. Alzheimer's Biomarkers are Correlated with Brain Connectivity in Older Adults Differentially during Resting and Task States. *Front Aging Neurosci.* 2016 Feb 8;8:15. doi: 10.3389/fnagi.2016.00015. eCollection 2016.
309. Smith CD, Johnson ES, Van Eldik LJ, Jicha GA, Schmitt FA, Nelson PT, **Kryscio** RJ, Murphy RR, Wellnitz CV. Peripheral (deep) but not periventricular MRI white matter hyperintensities are increased in clinical vascular dementia compared to Alzheimer's disease. *Brain Behav.* 2016 Feb 16;6(3):e00438. doi: 10.1002/brb3.438. eCollection 2016.
310. Pettigrew LC, **Kryscio** RJ, Norris CM The TNF α -Transgenic Rat: Hippocampal Synaptic Integrity, Cognition, Function, and Post-Ischemic Cell Loss. *PLoS One.* 2016 May 4;11(5):e0154721. doi: 10.1371/journal.pone.0154721.
311. **Kryscio** RJ, Abner EL, Jicha GA, Nelson PT, Smith CD, Van Eldik LJ, Lou W, Fardo DW, Cooper GE, Schmitt FA Self-Reported Memory Complaints: A Comparison of Demented and Unimpaired Outcomes. *J Prev Alzheimers Dis.* 3(1):13-19; 2016.
312. Lefringhouse JR, Neward E, Ueland FR, Baldwin LA, Miller RW, DeSimone CP, **Kryscio** RJ, van Nagell JR, Pavlik EJ. Probability of fallopian tube and ovarian detection with transvaginal untrasonography in normal women. *Womens Health (Lond).*2016 12(3):303-11.
313. Nelson PT, Trojanowski JQ, Abner EL, Al-Janabi OM, Jicha GA, Schmitt FA, Smith CD, Fardo DW, Wang WX, **Kryscio** RJ, Neltner JH, Kukull WA, Cykowski MD, Van Eldik LJ, Ighodaro ET. "New old pathologies" : AD, PART, and cerebral age-related TDP-43 with sclerosis (CARTS). *J Neuropathol Exp Neurol.* 2016 75(6):482-98.
314. Johnson N, Ebersole JL, **Kryscio** RJ, Danaher RJ, Dawson D 3rd, Al-Sabbagh M, Miller CS. Rapid assessment of salivary MMP-8 and periodontal disease using lateral flow immunoassay. *Oral Dis.* 2016; 22(7):681-7.
315. Ebersole JL, **Kryscio** RJ, Campbell C, Kinane DF, McDevitt J, Christodoulides N, Floriano PN, Miller CS. Salivary and serum adiponectin and C-reactive protein levels in acute myocardial infarction related to body mass index and oral health. *J Periodontal Res.* 2017 52(3): 419-427.
316. Moore DB, Hammer JD, Akhtari R, Beck J, Sanders S, **Kryscio** RJ. Squeeze me if you can: variability in force requirements to extract a drop from common glaucoma bottles. *J Glaucoma.* 2016 Sep;25(9):780-4.
317. Milbrandt T, **Kryscio** R, Muchow R, Walker J, Talwalkar V, Iwinski H Jr. Oral sucrose for pain relief during clubfoot casting: a double blinded randomized controlled trial. *J Pediatr Orthop.* 2016 Sep 15.

318. Davis PR, Giannini G, Rudolph K, Calloway N, Royer CM, Beckett TL, Murphy MP, Bresch F, Pagani D, Platt T, Wang X, Donovan AS, Sudduth TL, Lou W, Abner E, **Kryscio R**, Wilcock DM, Barrett EG, Head E. A β vaccination in combination with behavioral enrichment in aged beagles: effects on cognition and microhemorrhages. *Neurobiol Aging*. 2017;4: 86-99.
319. **Kryscio RJ**, Abner EL, Nelson PT, Bennett D, Schneider J, Yu L, Hemmy LS, Lim KO, Masaki K, Cairns N, Xiong C, Woltjer R, Dodge HH, Tyas S, Fardo DW, Lou W, Wan L, Schmitt FA. The effect of vascular neuropathology on late-life cognition: results from the SMART project. *J Prev Alzheimers Dis*. 2016 Jun;3(2):85-91.
320. Ding X, **Kryscio RJ**, Turner J, Jicha GA, Cooper G, Caban-Holt A, Schmitt FA, Abner EL. Self-Reported Sleep Apnea and Dementia Risk: Findings from the Prevention of Alzheimer's Disease with Vitamin E and Selenium Trial. *J Am Geriatr Soc* 2016. 64(12): 2472-2478.
321. Francis JC, Oz U, Cunningham LL, Emecen Huja P, **Kryscio RJ**, Huja SS. Screw-type device diameter and orthodontic loading influence adjacent bone remodeling. *Angle Orthod*. 2017; 87(3): 466-472.
322. Harvanko A, Martin C, Lile J, **Kryscio R**, Kelly TH. Individual differences in the reinforcing and subjective effects of d-amphetamine: Dimensions of impulsivity. *Exp Clin Psychopharmacol*. 2016; 24(6): 436-446.
323. Dodge HH, Zhu J, Woltjer R, Nelson PT, Bennett DA, Cairns NJ, Fardo DW, Kaye JA, Lyons DE, Mattek N, Schneider JA, Silbert LC, Xiong C, Yu L, Schmitt FA, **Kryscio RJ**, Abner EL; SMART data consortium. Risk of incident clinical diagnosis of Alzheimer's disease-type dementia attributable to pathology confirmed vascular disease. *Dementia* 2017, 13(6): 613-623.
324. Huaman MA, **Kryscio RJ**, Fichtenbaum CJ, Henson D, Salt E, Sterling TR, Garvy BA. Tuberculosis and risk of acute myocardial infarction: a propensity score matched analysis. *Epidemiol Infect*. 2017, 145(7):1363-1367
325. Abner EL, **Kryscio RJ**, Schmitt FA, Fardo DW, Moga DC, Ighodaro ET, Jicha GA, Yu L, Dodge HH, Xiong C, Woltjer RL, Schneider JA, Cairns NJ, Bennett DA, Nelson PT. Outcomes after diagnosis of mild cognitive impairment in a large autopsy series. *Ann Neurol*. 2017; 81(4):549-559.
326. Ore RM, Baldwin L, Woolum D, Elliott E, Wijers C, Chen CY, Miller RW, DeSimone CP, Ueland FR, **Kryscio RJ**, Nagell JR, Pavlik EJ. Symptoms relevant to the surveillance for ovarian cancer. *Diagnostics (Basel)*. 2017 Mar 20;7(1). pii: E18.
327. Jiang Y, Lin MK, Jicha GA, Ding X, McIlwrath SL, Fardo DW, Broster LS, Schmitt FA, **Kryscio R**, Lipsky RH. Functional human GRIN2B promoter polymorphism and variation of mental processing speed in older adults. *Aging* 2017, 9(4):1293-1306.
328. Harvanko AM, Martin CA, **Kryscio RJ**, Stoops WW, Lile JA, Kelly TH. A prototypical first-generation electronic cigarette does not reduce reports of tobacco urges or withdrawal symptoms among cigarette smokers. *J Addict*. 2017;2017:6748948. doi:

10.1155/2017/6748948.

329. Yang Y, Shelton BJ, Tucker TT, Li L, **Kryscio R**, Chen L. Estimation of exposure distribution adjusting for association between exposure level and detection limit. *Stat Med*. 2017, 36(18):2935-2946.
330. Moore DB, Beck J, **Kryscio RJ**. An objective assessment of the variability in number of drops per bottle of glaucoma medication. *BMC Ophthalmol*. 2017, 17(1):78.
331. Zhang X, Schmitt FA, Caban-Holt AM, Ding X, **Kryscio RJ**, Abner E. Diabetes mitigates the role of memory complaint in predicting dementia risk: results from the Prevention of Alzheimer's disease with Vitamin E and selenium trial. *J Prev Alzheimers Dis*. 2017, 4(3): 143-148.
332. Wan L, Lou W, Abner E, **Kryscio RJ**. A comparison of time-homogenous Markov chain and Markov process multi-state models. *Communications in Statistics: Case Studies, Data Analysis and Applications*. 2016,40: 92-100.
333. Lou W, Wan L, Abner EL, Fardo DW, Dodge HH, **Kryscio RJ**. Multi-state models and missing covariate data: expectation-maximization algorithm for likelihood estimation. *Biostatistics & Epidemiology* 2017, 10: 20-35.
334. **Kryscio RJ**, Abner EL, Caban-Holt A, Lovell M, Goodman P, Darke AK, Yee M, Crowley J, Schmitt FA. Association of antioxidant supplement use and dementia in the prevention of Alzheimer's disease by vitamin E and selenium trial (PREADViSE). *JAMA Neurol*. 2017, 74(5):567-573.

PRESENTATIONS

Category A: Invited

Insights into early signs of cognitive decline and dementia using multi-state models: results from the SMART project. 12th International Conference on Health Policy Statistics, Charleston, S.C. January 11, 2018

Incomplete and right censored covariates in multi-state and logistic regression models. Statistical methods conference on Aging & dementia II. Johns Hopkins University, October, 2016.

SMART project: statistical modeling of aging risk transitions. UK-Alzheimer disease center virtual site visit. Baltimore, Md, October, 2016.

Statistical methods for aging & dementia. Invited discussant. JSM, Chicago, July, 2016

Reviewing cores for ADRCs and ADCs. Invited panel member. ACTS meeting, Chicago, July, 2016.

Statistical methodology in Alzheimer's disease research: an overview focusing on multi-state modeling and prevention trials. SRCOS, June, 2016.

Effects of subjective memory complaints on cognition and neuropathology. Markesbery

Symposium, University of Kentucky, November 20, 2015.

Some topics in dementia research: multi state modeling of subjective memory complaints and lessons learned from a large dementia prevention trial. Indiana School of Medicine, October 9, 2015.

Challenges in using multi-state models to analyze cognitive changes before dementia. Statistical methods conference on aging and dementia. Rush Medical University, September 23, 2015.

Primary prevention trials for dementia. JSM, Seattle, August 12, 2015.

Semi-markov models for interval censored transient cognitive states with backward transitions and unknown initial time. JSM, Seattle, August 9, 2015.

Modeling cognitive states in the elderly: the analysis of panel data using multi-state Markov and semi-Markov processes. ENAR, Miami, March 17, 2015.

Using semi-Markov models to analyze panel data: application to dementia studies. Department of Biostatistics, University of Buffalo, October, 2014.

New hope: the development of disease-modifying drugs for neurological diseases. Invited panelist, ASA Biopharmaceutical Section-FDA –Industry Statistics Workshop, Washington DC, September, 2014

Self reported memory decline predicts mild cognitive impairment and dementia. Poster with (David Fardo, Peter Nelson Erin Abner, Fred Schmitt, et al.). Selected for oral presentation to the Press at the Alzheimer's Association International Conference, Boston, July, 2013.

Determining how and when risk factors for dementia matter: the SMART project. Sanders Brown Center on Aging seminar series. September 14, 2012

Discussant (Phase II clinical trials): Clinical Trial Methods Course in Neurology July 23, 2012 Vail Co.

Grand Rounds: College of Public Health: Research, Better Health: how the BERD can help. September 7, 2012

Mild cognitive impairment: transient and clinical versions, risk factors, and prevention. FDA, Silver Springs, Md., April 26, 2012

Dementia and cognitive impairment: epidemiology and risk factors. Community Education Event, Marshall University Medical Center, March 19, 2012.

A randomized controlled AD prevention trial's evolution into an exposure study. Clinical Trials in Alzheimer's Disease. San Diego, November 3, 2011.

Cognitive impairments and the risk of dementia: role of statistical modeling. Emory University, Alzheimer's Disease Research Center, October 6, 2011.

Modeling pre-clinical changes: statistical issues. Alzheimer's Disease Directors Meeting, San Diego, September 24, 2011.

Effects of selection bias and competing risks on factors determining conversions to cognitive impairments and mixed dementias. Invited contributed paper, JSM, Miami, August 1, 2011.

Impaired states and covariate risks for dementia require novel statistical methodology illustrated by the Nun Study and BRAiNS cohort. 4th David Wekstein Conference on Longitudinal Studies in Aging and AD. Lexington Green, March 7, 2010.

Assessing the risk of chronic disease: applying Markov chains to study conversion from impaired states to dementia. 24th Annual Eastern Kentucky University Symposium in Mathematical, Statistical & Computing Sciences. April 9, 2010.

Designing a quality FDG PET study. Comparative Effectiveness Research Workshop in Molecular Imaging, Group 5: Neurology. Bethesda, Md., July 22, 2010.

Relative risk of dementia before death: new statistical tools. Alzheimer's Disease Center Data Core Meeting, Baltimore, October 10, 2009.

Risk factors for MCI & dementia, a tale of two cohorts: BRAiNS and the Nun Study, AD 101 Seminar series, University of Kentucky Center on Aging, March 12, 2009..

Design and analysis of clinical translational studies. Distinguished Lecture Series in Clinical Translational Sciences, University of Texas, Southwest. November 6, 2008

Planning group randomized designs in drug abuse and health research. Workshop on Statistical Methods in Drug Abuse and Health Related Research, University of Kentucky, October 29, 2008.

Markov transition models for computing the odds that a cognitively intact elderly person will develop dementia before dying. Biostatistics Division, Albert Einstein College of Medicine, March 14, 2008.

Designing smarter clinical trials. University of Kentucky Clinical Research Organization Research November 15, 2007.

Identifying risk factors for mild cognitive impairment and dementia using Markov transition models. Biostatistics Department, SUNY, Buffalo, November 30, 2006.

Estimating the relative risk of cases to controls on the line with large samples using nearest neighbor statistics. Int. Workshop Applied Probability. U Connecticut, May 15, 2006.

Risk factors for transitions to MCI and dementia: findings from the NUN study. General lecture. Medical College of Wisconsin, April 5, 2006.

Statistical properties of transition models with absorbing states Division of Biostatistics, Medical College of Wisconsin, April 4, 2006.

Risk factors for transitions from normal to mild cognitive impairment and dementia. Washington University, St. Louis, November 1, 2005.

Design and Analysis Issues in Prevention Trials. Drug Information Association 41st Annual Meeting, June 28, 2005.

Design and analysis issues in pharmacy studies. St Joseph's Hospital, Lexington ,July, 2005

Alzheimer's 101: nuts and bolts of longitudinal data analysis. Alzheimer's Disease Research Center, University of Kentucky, March 2, 2005

Multi-state random effects models with application to a longitudinal study of transitions to dementia. Cleveland Clinic, Feb. 25, 2005.

Risk Factors for MCI and Dementia. 3rd Longitudinal Conference on Aging. Radisson Hotel, Lexington, Ky., December, 2004.

Design issues in public health trials. Invited presentation to Statistics Club, Eastern Kentucky University, November, 2004.

Issues in longitudinal data analysis and the advantages of mixed effects model regression formulation. Missing data imputation. Psychometrics Workshop. University of Washington Friday Harbor Conference Center, September, 2004.

PREADVISE: A simple, large Alzheimer's disease prevention trial. Roswell Park Cancer Institute, May, 2003.

Identifying disease clusters in non-uniform populations by using a computationally efficient k nearest neighbor procedure. Fourth Biannual International Conference on Statistics, Probability and Related Areas, Northern Illinois University. June, 2002 (with D. Pavlov).

Designing a large prevention trial: statistical issues. Second conference on Statistical Methodology in AD Research. May, 2002 (with M. Mendiondo and F. Schmitt).

Interpreting clinical trial results: what we often forget to mention in the protocol. Kentucky Center of Clinical Research and Investigative Services (KCRISS). January, 2002.

Clinical trials Beyond Advanced Placement Statistics Workshop. University of Kentucky. November, 2001.

A quality clinical trial recipe: mix good patient care, data management, and biostatistics. Kentucky Center for Clinical Research and Investigator Services. January 17, 2001.

Statistics as part of an Alzheimer's disease research center. Kentucky Chapter of the American Statistical Association. December 4, 2000 (with M. Mendiondo).

Statistics as part of a large clinical research training program. Joint Statistical Meetings, Baltimore, Maryland, August 10, 1999 (with J. Clive).

From punched cards to desktop SAS. SAS Users Group, Lexington, Ky., November 21, 1997.

A comparison of space-time clustering statistics. First Northern Illinois University Symposium on Statistical Science, DeKalb, Illinois, September 27, 1996.

Statistics in action: A Kentucky experience. Mathematics Awareness Week, Eastern Kentucky University, April 22, 1996.

Bioengineering and statistics: a fruitful collaboration. Center for Biomedical Engineering, University of Kentucky, February 27, 1996.

From bench to brain: developing drugs for Alzheimer's disease. Invited participant, Workshop at Sanders Brown Center on Aging, March 15, 1996.

Sampling frames and sample design. Invited presentation. The Tobacco Regulation Technical Assistance workshop. Baltimore, Maryland, February 29, 1996.

Outcome evaluation: paired county and baseline comparisons. Appalachian Leadership Initiation on Cancer. Lexington, Kentucky, May 2, 1996.

Cancer Cluster Study. Calvert City Advisory Committee Meeting, May 11, 1995.

Where the jobs are, 1995: professional opportunities in Biostatistics. Invited discussant. American Statistical Association Meetings, Orlando, August 15, 1995.

Detecting space-time clustering using cell count data. American Statistical Association Annual Meetings, Toronto, August 17, 1994.

Statistical aspect of clinical research. Tenth Annual Symposium on Mathematics, Statistics, and Computer Science. Eastern Kentucky University, March 4, 1994.

Some computational problems in modeling epidemics. Epidemiological Modeling Workshop, Pittsburgh Supercomputing Center, December 3, 1991.

Measuring the severity of clustering using Tango's Index. Workshop: Epidemic modeling and data analysis, Skokloster, Sweden, August 11, 1990.

Use of stochastic epidemic theory to model the AIDS epidemic SRCOS/ASA Summer Research Conference in Statistics, June 11, 1990.

On the extinction of the S-I-S stochastic logistic epidemic. Mini-conference on epidemic modeling. Statistics and Applied Probability Program, University of California, Santa Barbara, April 22, 1989.

On modeling the incidence of AIDS. Conference on stochastic processes in epidemic theory, Marseilles, France, October 24-28, 1988.

On modeling the incidence of AIDS: work in progress. Department of Radiation Medicine, Wayne State University, March 17, 1988.

Designing clinical trials at a small institution. Department of Radiation Medicine, Wayne State University, March 17, 1988.

The analysis of repeated measures experiments – International Minerals Corporation, Terre Haute, Indiana, May 14, 1985.

Double sampling plans with two applications ASQC, Wabash Valley Chapter, May 14, 1985.

Pitfalls in the analysis of biomedical data. Division of Cardiology Colloquium Series, College of Medicine, University of Kentucky, October 10, 1985.

Clinical trials: Principles versus practice. International Neutron Therapy Workshop, April 24, 1985.

Two-stage sampling plans with an application. ASQC, Lexington Chapter, November 14, 1984.

Models for the shattering of particles (with W.S. Griffith and P. Purdue). American Statistical Association Annual Meetings, August, 1984.

On modeling venereal disease epidemics. ORSA/TIMS Special Interest Meeting in Applied Probability, June, 1983.

A probability model for predicting the impact of changes in the EPA compliance standard for sulphur emissions on the coal resources of Eastern Kentucky (with J.C. Cobb, J.C. Currens and K.W. Teoh). Workshop on Acid Rain in Kentucky, May 3, 1983.

Modeling spatial patterns and tests for randomness (with R. Saunders). Buffalo-Niagara Chapter of the American Statistical Association, April, 1980.

A maximum likelihood procedure for Chen's property tax model. Department of Statistics Colloquium Series, SUNY at Buffalo, March, 1977.

Computational and estimation procedures in multidimensional right-shift processes. American Statistical Association Annual Meetings, August, 1971.

Category B: Contributed:

Contributions of the SMART project to dementia research and statistical modeling JSM poster, Vancouver, July, 2018.

Correlating a right censored risk factor with a neuropathology finding. JSM poster, Chicago, July, 2016.

Self reported memory complaints: a comparison of demented and unimpaired outcomes. AAIC poster, Boston, July, 2015.

APOE- ϵ 4 carrier status does not influence cognitive score trajectories in cognitively normal young old men: results from PREDAViSE.. CTAD, Philadelphia, Nov., 2014 (with Erin Abner, presenter, Frederick Schmitt, Allison Caban-Holt)

Continuous time multi-state models with missing covariates. JSM, Boston, Aug., 2014 (with Wenjie Lou, presenter)

Continuous time multi-state model for interval censored data with competing risk. JSM, Boston, Aug., 2014 (with Lijie Wan , presenter)

Semi-Markov models for interval censored transient cognitive states with back transitions and a competing risk. IBC, Florence, Italy, July, 2014 (with Shaoceng Wei)

Semi-Markov models for interval censored transient cognitive states with competing risk. JSM, Montreal, Aug., 2013 (with Shaoceng Wei)

Semi-Markov models for transitions from cognitively intact to clinically impaired. JSM, San Diego, Aug. 2012 (with Y Lin and E Abner)

Computing the standard error of the relative risk of dementia versus death in a multistate nonstationary Markov chain. (with Y.Lu) Joint Statistical meetings, Vancouver, August, 2010

A Markov transition model to dementia with death as a competing event. Poster presentation (with L. Xu and D Snowdon), Joint Statistical Meetings, Washington, D.C., 2009.

Models for identifying risk factors for transitions from intact cognition to mild cognitive impairment and dementia. Invited contributed paper, Joint Statistical Meetings, Denver, August, 2008.

Effects of ignoring baseline on modeling transitions from intact cognition to dementia (with Lei Yu, presenter, Suzanne Tyas, David Snowdon) Joint Statistical Meetings, Salt Lake City, Aug. 2007.

Surveillance of occupational drivers using k nearest neighbor methods on the line (with Svetla Slavova – presenter).. Joint Statistical Meetings, Seattle, Aug, 2006.

Effect of antioxidant use at baseline on transitions from normal to MCI and dementia (with M Mendiondo, F Schmitt, X Zhang, A Caban-Holt) Poster presentation, Joint Statistical Meetings, Seattle, August, 2006.

Parametric estimation in the presence of censored data (with Sergey Tarima - presenter). JSM, Minneapolis, August, 2005.

The distribution of the product of correlated P values with application to sequence homology searches (with Yan Xie) Poster presentation, JSM, Minneapolis, August, 2005.

Modeling clinical change from normal aging to MCI, dementia, and death (with F.A. Schmitt, M.S. Mendiondo, L.Yu) Alzheimer's Association 9th International Meeting, Washington, D.C., June, 2005.

Shared random effects analysis of multi-state Markov models: application to the NUN Study. (JC Salazar, SL Tyas, MF Desrosiers, KP Riley, MS Mendiondo, DA Snowdon) JSM, Toronto, August, 2004.

Discriminating usual cognitive aging from Alzheimer's disease: a statistical and normative approach to the CERAD cognitive assessment (with JC Salazar, DG Davis, MS Mendiondo, WR Markesbery and FA Schmitt) World Congress on AD, Philadelphia, July, 2004

Risk factors for mild cognitive impairments and conversion to dementia: findings from the Nun Study. World Congress on AD, August, 2002 (with S. Tyas, D. Snowdon, K. Riley, M. Desrosiers, M. Mendiondo and W. Markesbery).

Designing a brief Alzheimer screen. Second conference on Statistical Methodology in AD Research, May, 2002 (with M. Mendiondo, F. Schmitt and W. Ashford).

A new computationally efficient clustering technique of k nearest neighbor type. JSM, Atlanta, 2001 (with D. Pavlov).

Mixed models for correlating cognitive decline with severity of dementia at autopsy. JSM, Atlanta, 2001 (with M. Mendiondo, F. Schmitt, D. Davis, D. Wekstein and W. Markesbery).

Mixed models for correlating cognitive decline with severity of dementia at autopsy. Joint Statistical Meetings, Atlanta, August 2001 (with M.S. Mendiondo*, F. Schmitt, D. Davis, D. Wekstein, and W. Markesbery).

A new computationally efficient clustering technique of k nearest neighbor type. Joint Statistical Meetings. Atlanta, August 2001 (with D. Pavlov).

Identifying disease clusters in populations with non-uniform density by k nearest neighbor model: Joint Statistical Meetings, Indianapolis, August, 2000 (with D. Pavlov).

"Optimality" of the maximum cell count in cluster detection. Joint Statistical Meetings, Indianapolis, August, 2000 (with L. Kay and C.L. Wood).

Predicting cognitive decline in Alzheimer's disease. Poster presentation: Joint Statistical Meetings, Baltimore, Maryland, August 11, 1999 (with M.S. Mendiondo and J.W. Ashford).

Components of chi-square statistics for detecting space-time disease clustering (with G.C. Cline), Joint Statistical Meetings, Anaheim, August 10, 1997.

On computing the Ederer-Meyers-Mantel statistic. American Statistical Association Annual Meetings, August, 1993.

A note on Tango's index of clustering. Biometrics Society, ENAR Spring Meetings, March, 1990.

Measuring the severity of disease clustering. Eastern Regional Meetings of the Biometrics Society, March, 1991.

A stochastic model for the incidence of AIDS. International Biometrics Conference, Namur, Belgium, July 19, 1988.

A note on tests for randomness in sparse spatial patterns (with R. Saunders and G. Funk). Eastern Regional Meetings of the Institute of Mathematical Statistics, March, 1980.

Asymptotic multivariate distributions for arrays of binary variables II: the normal case (with R. Saunders and G. Funk). American Statistical Association Annual Meetings, August, 1978.

Asymptotic multivariate distributions for arrays of binary variables I: the Poisson case. Central Regional Meetings of the Institute of Mathematical Statistics, June, 1978.

Estimation for carrier-borne epidemics (with R. Saunders). Western Regional Meetings of the Biometrics Society, June, 1975.

Solutions to the forward equations of Gart's epidemic model. NSF Conference on the Mathematical Theories of Population, August, 1974.

The transition probabilities of a bounded bivariate pure death process. Central Regional Meetings of the Institute of Mathematical Statistics, June, 1974.

On the extended simple stochastic epidemic model. Eastern Regional Meeting of the Biometrics Society, June, 1973.

EXTRAMURAL GRANT SUPPORT:

Models and statistical techniques for clustering. National Science Foundation, May, 1979 to November, 1981 (with G.M. Funk and R. Saunders).

Cervix cancer cf-252 neutron therapy. American Cancer Society, January, 1983 to December, 1986 (Y. Maruyama, P.I.)

A national collegiate survey on eating attitudes and behavior. League of Women Voters, August, 1985 to June, 1986 (L. Humphries, P.I.).

Monoclonal antibodies in the treatment of kidney graft rejection. National Institute of Health, August, 1985 to July, 1988 (J. Thompson, P.I.).

Field survey of adult women in Eastern Kentucky, State of Kentucky and Center for Disease Control, Atlanta, January, 1986 to June, 1986 (Philip Roeder, P.I.).

Smokeless tobacco use among Kentucky youth: a feasibility study. National Cancer Institute, September, 1986 to August, 1987 (Melody Powers Noland, P.I.)

Probabilistic modeling and inferential problems with applications to engineering and medicine. Component project 4 of the Kentucky EPSCoR program, NSF (P.I. W.S. Griffith) October, 1986 to September, 1992.

Epidemic theory for an infectious disease of the S-I-S type, January, 1988 to December, 1988. NATO (travel grant for international collaboration with C. Lefevre of University of Brussels).

Rural adolescent family life: health and well being, January, 1988 to March, 1989, Office of Adolescent Pregnancy Programs (Sarah Quandt, P.I.).

Neutron interstitial brachytherapy using californium-252 and beam radiation for the treatment of large localized hemisphere malignant glioma. October, 1987 to October, 1991, National Cancer Institute, (Roy Patchell, P.I.).

Single-mother families: predictors of health outcomes. September, 1988 to February, 1991. National Institutes of Health (Lynne A. Hall, P.I.).

Clinical trials for use of monoclonal antibodies in the prevention of kidney graft rejection. July, 1988 to June, 1992, National Institutes of Allergic and Infectious Diseases (John Thompson, P.I.).

Nutritional strategies and dietary status of rural elderly. May, 1989 to April, 1991, National Institute on Aging (Sarah Quandt, P.I.).

Respiratory afferents in the control of breathing. April, 1989 to March, 1994, National Heart, Lung and Blood Institute (Donald Frazier, P.I.).

High-tech home care for children with chronic health conditions. October, 1989 to September, 1991, Maternal and Child Health Program (Juanita Fleming, P.I.).

Alzheimer's Disease Research Center. August, 1990 to July, 1995. National Institute on Aging (William Markesbery, P.I.).

Farm family health and hazard surveillance. October, 1990 to September, 1995. National Institute of Occupational Safety and Health / Center for Disease Control (Robert McKnight, P.I.).

Alzheimer's disease, dental amalgams, and mercury. September, 1991 to June, 1996. National Institute on Aging (William Markesbery, P.I.).

General clinical research center. December, 1991 to November, 1996. National Clinical Research (Emery Wilson, P.I.).

Prevention of tobacco use among high-risk adolescents. May, 1992 to April, 1996. National Cancer Institute (Melody Noland Powers, P.I.).

Surgery for spinal cord compression due to cancer. August, 1991 to July, 1997. National Cancer Institute (Roy Patchell, P.I.).

The impact of specialty on cesarean section rates. April, 1992 to September, 1993. ANCPH (William Hueston, P.I.).

Calcium regulation in brain aging and Alzheimer's disease. July, 1992 to June, 1997. National Institute on Aging (Phillip Landfield, P.I.)

Central highlands Appalachia leadership on cancer. September, 1991 to September, 1997. National Cancer Institute (Gil Friedell, P.I.).

Southeast Center for Agricultural Health and Injury Prevention. September, 1992 to September, 1997. Center for Disease Control and National Institute on Occupational Health and Safety (Robert McKnight, P.I.).

Mechanisms of brain injury and its systemic sequela. April, 1994 to March, 1999. National Institute on Neurological Diseases and Stroke (B. Young, P.I.).

Drug use by dentists and dental students: prevalence and use in the workplace. September, 1994 to August, 1997. National Institute on Drug Abuse (R.B. Clayton, P.I.).

Breakdown of amalgam margins: a microstructural study. June, 1992 to May, 1995. National Institute of Dental Research (Richard J. Mitchell, P.I.).

AIDS prevention for drug injectors in Kentucky. June, 1993 to May, 1995. National Institute of Drug Abuse (Carl Leukefeld, P.I.).

Trial of predictive algorithm to transplant high PRA patients. August, 1995 to July, 1998. National Heart, Lung and Blood Institute (John Thompson, P.I.).

Statistical analysis of groundwater monitoring data. February, 1995 to June, 1995. Natural Resources and Environmental Protection Cabinet, Kentucky (Richard Kryscio, P.I.).

Respiratory afferents in the control of breathing. February, 1995 to November, 1999. National Heart, Lung and Blood Institute (Donald Frazier, P.I.).

Alzheimer's Disease Research Center. May, 1995 to June, 2011. National Institute on Aging (William Markesbery, P.I.). Core B: Biostatistics and Data Management (Richard Kryscio, P.I.).

Aging of central dopaminergic systems in primates. December, 1996 to November, 2001. National Institute on Aging (Don Gash, P.I.).

Brain oxidation in the pathogenesis of Alzheimer's disease. December, 1996 to November, 2001. National Institute on Aging (William Markesbery, P.I.).

General Clinical Research Center. December, 1996 to November, 2001. National Clinical Research (Emery Wilson, P.I.).

Statistical methodology in Alzheimer's disease research (conference grant). May 15, 1997 to April 30, 1999. National Institute on Aging and National Institute on Neurological Diseases and Stroke.

Statistical analysis of HIV/AIDS policy and educational assessment survey. July, 1997 to October, 1997. Kentucky Department of Education (Richard Kryscio, P.I.).

Detection of presymptomatic Alzheimer's disease with fMRI. October, 1997 to September, 2000. National Institute on Aging and National Institute on Neurological Diseases and Stroke (Charles Smith, P.I.).

Minority Supplement, Program Project Grant: Brain oxidation in the pathogenesis of Alzheimer's disease (salary and travel support for a postdoctoral appointment in biostatistics: Dr. Marta Mendiondo). July 1, 1998 – April 30, 2000. National Institute on Aging.

Statistical analysis of HIV/AIDS policy and educational assessment survey. August, 1998 to November, 1998. Kentucky Department of Education (Richard Kryscio, P.I.).

Restoration of dopamine function in Parkinson's disease. September, 1999 to August, 2009. National Institute of Neurological Diseases and Stroke (Greg Gerhardt, P.I.).

Assessing the burden of colorectal cancer. September, 1999 to August, 2000. Centers for Disease Control. (Claudia Hopenhayn-Rich, P.I.).

Ovarian cancer screening: psychobehavioral outcomes. March, 2000 to February, 2008. National Cancer Institute (Michael Andrykowski, P.I.).

MRI probes of BBB integrity HIV dementia. NGA. September, 2000 to August, 2005. (Malcolm Avisom, P.I.).

MR predictors of response to HAART in HIV dementia. NGA. September, 2000 to August, 2005. (Joseph Berger, P.I.).

Dosing and safety of CsA for treatment of severe head injury. August, 2001 to July, 2005 (Byron Young, P.I.).

Prevention of Alzheimer's disease by Vitamin E and Selenium. October, 2001 to September, 2006 (William Markesbery, P.I.).

Statistical Methodology in Alzheimer's Disease Research (2nd conference grant). February, 2002 – January, 2004. National Institute on Aging.

General Clinical Research Center. May, 2002 – April, 2006 (Emory Wilson, P.I.). National Center for Research Resources.

Detection of presymptomatic Alzheimer's Disease by fMRI. December, 2002 – November, 2007 (Charles Smith, P.I.). National Institute on Aging.

Autologous Dendritic Cell Vaccines in NSCLC April, 2004 – March, 2006. (Edward A. Hirschowitz, PI) National Cancer Institute

Screening for ovarian cancer: psychobehavioral outcomes. September, 2004 to August, 2008 (Michael Andrykowski, P.I.) National Cancer Institute

Safety and Operational Impacts of Design Element Trade-Offs July, 2004 – January, 2007 (Nikiforos Stamatidis, PI) Department of Transportation

Career training in therapeutics and translational research. September, 2000 – August, 2006 (Steve Shedlofsky, P.I.). National Center for Research Resources.

Early treatment of ALS with nutrition and NIPPV. August, 2004 – December, 2006. (Edward Kasarskis, P.I.) National Institute on Neurological Diseases and Stroke.

Center for the biologic basis of oral/systemic diseases (CBBOSD). October 2004 – July 2009. (Jeffrey Ebersole, P.I.) National Center for Research Resources, COBRE grant. P.I. Biostatistics /Bioinformatics Core.

Center of Biomedical Research in Excellence for Women's Health (COBRE-WH) September, 2005- April, 2010. (Thomas Curry, P.I.) National Center for Research Resources.

Neuroimaging studies of depression in Parkinson's disease (Lee Blonder, P.I.) National Institute of Mental Health July 2006 – June 2010.

The role of NSMase-2 in Aging (Mariana-Karashian, P.I.) National Institute on Aging August 2006-July, 2011.

Lab on a chip system for saliva based diagnosis (Craig Miller, P.I. subcontract with U.Texas) National Institute of Dental Research September, 2006-August, 2008

CATSBI Trial Planning Grant: Cyclosporine in Traumatic Brain Injury (Bryon Yung, P.I.) National Institute for Neurological Diseases and Stroke. October 2007-September 2008.

CDART-Center for Drug Abuse Research Translation (Mike Bardo, P.I.) National Institute of Drug Abuse. October 2007 – September 2012

Cytopreparation of PBMC for immunotherapy and immune assessment studies (John Yanelli, P.I.) National Cancer Institute July 2008- April 2010

Calpain as a therapeutic target for TBI (Jim Geddes, P.I.) National Institute on Neurological Diseases and Stroke, May, 2009 – April, 2012

Dynamics of sleep fragmentation in the elderly (Gene Bruce, P.I.), National Institute on Aging. August, 2008 – June, 2010

Academic-Community coalition for a School Based Obesity Prevention/Treatment Program (J.Perman, P.I.) National Institute on Child Health and Development. August, 2008- June, 2010.

Aging of frontal structure in Down syndrome and dementia (Elizabeth Head, P.I.) National Institute on Aging. September, 2009 – August, 2014.

Center for the biologic basis of oral/systemic diseases (CBBOSD). August,2009-July,2014 (Jeffrey Ebersole, P.I.) National Center for Research Resources, COBRE grant. P.I. Biostatistics /Bioinformatics Core.

Pulmonary Stress Induced by Hyperthermia: Role of Airway Sensory Nerves (Luan Lee P.I.) U.S. Army Medical Research & Material Command. September 2010 – September, 2013.

Novel Assay Identifies all MicroRNA Targets in Alzheimer and Normal Aged Brains. (Peter Nelson, P.I.) NIA, June, 2010 – May, 2012.

Development of a multianalyte Lab-on-a-Chip system for Saliva Based Diagnostics (Craig Miller, P.I., subcontract with Rice University) March,2101 – February, 2011.

Voxel Based Relaxometry Analysis of ADNI Images (Peter Hardy, P.I.) NIA, June, 2010 – May, 2012.

Alzheimer's Disease Center (Linda van Eldik, P.I.) NIA July 2011- June 2016. Core B: Biostatistics and Data Management Core (Richard Kryscio, P.I.) Also, Associate Director of the ADC

Kentucky Center for Clinical and Translational Science (Philip Kern, P.I.) (Kryscio- Leader of: Biostatistics, Epidemiology, and research Design Key function), NCCR, May, 2011 – Feb., 2016.

Role of Impaired Cognitive States and Risk Factors in conversion to Mixed Dementias. (Richard Kryscio and Frederick Schmitt, co-P.I.s), NIA, September 2011 – August, 2016.

CDART-Center for Drug Abuse Research Translation. (Bardo, P.I.), 7/15/12-6/30/18. Role: co-investigator on the Statistics and Psychometrics Core (Charnigo, P.I. of core).

Aging, Neuromuscular Behavior and risk of Occupational Low Back Pain (Bazgari, P.I.) NIOSH. 7/1/12-6/30/13. Role: co-investigator.

Statistical Genetics Methods for Mixed Pathologies (Fardo P.I.) 8/15/13 – 5/31/16, NIA, Role: co mentor with Peter Nelson on this K25 award.

Rigidity and Osseointegration of Implants Intended for Orthodontic Applications. (Huja, P.I.) 07/01/12 – 06/30/13, American Association of Orthodontics Foundation.

Early Detection and Prevention of Mild cognitive Impairment due to Cerebrovascular Disease (Jicha, P.I.) NINR, 09/26/12 – 06/30/17.

Modulation of microRNA Pathways by Gemfibrozil in Predementia Alzheimer Disease (Jicha, P.I.), NIA, 07/15/13 – 06/30/16.

STTR: Delivery of Polyphenols for Treatment of Gingivitis – Phase II. (Craig Miller, P.I.) NIDCR, 02/01/13-08/31/13.

Developing a Virtual ALS Center at a Remote site Incorporating regional Resources. (Kasarskis, P.I.), ALS Association, 01/01/13-12/31/14.

Spinal loads during activities of daily living: influence of unilateral lower limb. (Babak Bargazi, P.I.) NICHD, September 2016 – August, 2018.

Role of TRV1 in asthma exacerbation. (Lu-Yuan Lee, PI) NIAID, January 2016-December, 2018.

In vivo evaluation of the safety and efficacy of extracorporeal circuits (Dongfang Wang, PI) Xenios AG, May, 2015-November, 2016.

Real osteodystrophy: a fresh approach. (Hartmut Malluche, PI). NIDDK, July, 2105 to June, 2020.

Preclinical development of a selective suppressor of neuroinflammation in MCI/AD (Linda van Eldik, PI) NIA May 2016-April, 2018.

Alzheimer's Disease Center (Linda van Eldik, P.I.) NIA July 2016- June 2021. NIA, Core B: Biostatistics and Data Management Core (Richard Kryscio, P.I.) Also, Associate Director of the ADC.

CTSA award (Phil Kern, P.I.) July 2016 – June 2020. NCATS Leader of the Biostatistics, Epidemiology, and Research Design key function.

Small vessel disease biomarkers in a longitudinally followed cohort of elderly (Donna Wilcock, PI) NIA, September 2016-July, 2018.

SBIR (Phase II): Mouth barrier rinse of sustained release polycurcumin to oral cancer. (Thomas Dziuba, PI) August, 2016-July, 2018.

Contributions of Alzheimer's pathology and cerebrovascular factors to cognitive aging. (Brain Gold, PI) September, 2017-April, 2022.

TEACHING EXPERIENCE:

Courses Taught: Statistical Inference, Introduction to Probability, Regression Analysis, Multivariate Methods, Design and Analysis of Experiments, Applied Probability Models, Introduction to Stochastic Processes, Sampling Techniques, Consulting Statistics, Clinical Trials Design and Methodology,, Biostatistical Methods I, Biostatistical Methods II, Proseminar in Biostatistics, Advanced Data Analysis, Design and Analysis of Health Surveys, Survival Analysis.

Departmental nominee for a University-wide Excellence in Teaching Award, Department of Mathematical Sciences, Northern Illinois University, 1978.

SELECTED UNIVERSITY SERVICE:**Promotion and Tenure Academic Area Advisory Committees:**

Dean's Level: College of Arts and Sciences, 1986-89 (Chair, 1988-89)
College of Public Health 2006-present

University Level: Physical and Engineering Sciences, 1993-94.

Scientific Advisory Committees at U.K.:

General Clinical Research Center, 1985 – 2005;
Markey Cancer Center, 1983-88, and 1993 – 2003;
Tobacco and Health Research Institute, 1990 – 1998 (Chair, 1998);
Survey Research Center, 1985 – 1994;
College of Medicine Grant Reviews, 1984 – 1992;
Chair, Safety and Monitoring Committee, IGF-1 plus growth factor therapy for head trauma clinical trial, 1997 – 1999.
Chair, Safety and Monitoring Committee, Cyclosporine for head trauma: Phase I study, 2000- 2001.
Chancellor's (Medical Center) Committee on Scientific Integrity, 2000-2001.
Noindemnified Protocol Committee, 2006-present
Data Safety Monitoring Board, Center for Clinical and Translational Science, 2010-present.
GI SPORE Advisory committee, Markey Cancer center, 2010-2012.
Biomedical Informatics Director Search Committee, co-chair, 2010.
Leadership Committee, CCTS, 2009-present.
Scientific Advisory Committee CCTS, 2009-2012
Clinical Services Core Research Committee. CCTS, 2012-present.
Internal Advisory Board: Markey Cancer Center: 2012-present
Chair, Internal Advisory Board: Biostatistics Shared Resources Facility, Markey Cancer Center, 2012-present

Academic Council for the Medical Center: University Senate Liaison, 1992-1995

University Research Professorship Selection Committee: 1998-2000; 2012-present

University Research Advisory Committee: 1999- 2005

Graduate School Fellowship Committee: 2010

College of Public Health: Dean Review Committee. Fall, 2009.

Doctoral Thesis Advisor:

- Dr. James Booth, Professor, Program in Statistics, Cornell University. J. Gani, co-director
- Dr. Kerry Barker, 1988, Biostatistical Manager, Baxter Healthcare
- Dr. Mary Kay Rayens, 1992, Professor, College of Nursing, University of Kentucky
- Dr. Patrick Peterson, 1995, Biostatistician, Eli Lilly
- Dr. Gary C. Cline, 1997, Biostatistician, Proctor and Gamble
- Dr. Lisa Whitis Kay, 1997, Assistant Professor, Department of Mathematics, Statistics, and Computer Science, Eastern Kentucky University
- Dr. Cameron T. Alsup, 2000, Biostatistician, Merck Research Laboratories
- Dr. Dmitri Pavlov, 2001, Biostatistician, Pfizer
- Dr. Xuejing Peng, 2003, Research Assistant Professor, Cleveland Clinic, Arnold Stromberg, co-director
- Dr. Juan Carlos Salazar, 2004. Associate Professor, National University of Columbia
- Dr. Sergey Tarima, 2005, Assistant Professor, Medical College of Wisconsin
- Dr. Svetla Slavova, 2008, Research Assistant Professor, Department of Biostatistics. UK College of Public Health
- Dr. Lei Yu, 2008, Assistant Professor, Department of Neurological Sciences, Rush Medical University
- Dr. Liou Xu, 2010, Research Minority Center, Washington. D.C.
- Dr. Yushun Lin, 2010, Citibank. Long Island, N.Y.
- Dr. Erin Abner, 2013, Assistant Professor, joint appointment Department of Epidemiology, UK College of Public Health and Sanders-Brown Center on Aging.
- Dr. Shaoceng Wei, 2015, Biostatistician, Medpace.
- Dr. Wenjie Lou, 2016, Statistician, Bank of America, Charlotte, NC
- Dr. Lijie Wan, 2016, Statistician, Bank of America, Charlotte, N.C.
- Dr. Zhiheng Xie, 2016, Statistician, Bank of America, Charlotte, N.C.

Post Doctoral Advisor:

- Dr. Marta Mendiando, 1998-2000. Assistant Professor, Department of Biostatistics, UK College of Public Health

Doctor of Public Health

- Dr. Sabrina Walsh, 2008, Kentucky Injury and Prevention Research Center. Research Assistant Professor, Department of Epidemiology, UK College of Public Health.

Dr. Bin Huang, Dr.P.H. (co-chair with Brent Shelton) 2009, Assistant Professor, Division of Cancer Biostatistics, UK College of Public Health

MEMBERSHIPS:

American Statistical Association:

Elected, Chair, Academic Representatives Session, Joint Statistical Meetings, 1999

Biometrics Society:

Member, Regional Advisory Board of ENAR, 1985 – 1988

SIGMA XI:

President of Northern Illinois University Chapter, 1980 – 1981

Southern Regional Committee on Statistics (SRCOS): 1992 – 1998

Program Chair, Summer Research Conference, 1995

Kentucky Chapter of the American Statistical Association:

Vice President, 1991 – 1994

President, 1995 – 1998

co-Chair, Special Awards Judging in Statistics, International Science and Engineering Science Fair, Louisville, May 12-13, 1997

Statistics Program Representatives Meeting:

program chair (elected) Joint Statistical Meetings, Baltimore, Maryland, August 10, 1999

Memberships on invited review panels:

Special emphasis panels and Study Sections for the National Institute on Aging:

Healthy aging and senile dementia, Washington University, St. Louis, October, 1997

Alzheimer's Disease Data Coordinating Center, Bethesda, Maryland, December, 1998

Claude Pepper Centers Review Team, Bethesda, Maryland, March, 1999

Member, site review team: University of Maryland, Baltimore, May, 1999

Case Western Reserve University, May, 1999

Claude Pepper Centers Review Team, Bethesda, Maryland, November, 2000

Alzheimer's Disease (AD) Centers Review Team, January, 2001

Healthy aging and senile dementia, Washington University, St. Louis, October, 1997

Age related changes of cognition in health and disease, Bethesda, MD, March, 2002

Resource Centers and Coordinating Centers for Minority Aging Research, Bethesda, June, 2002.

Study section in Alzheimer's Disease, Bethesda, MD, February, 2003

Healthy aging and senile dementia, Bethesda, MD, March, 2003

Alzheimer's Disease Centers Review Team, Bethesda, Md., Sept., and Oct., 2003

Adult children study, Bethesda. MD March, 2005.

Fronto temporal dementia PPG from UCSF, teleconference, October, 2006 & July, 2011

Dominantly Inherited Alzheimer Network, teleconference, January, 2008

AD Registry, chair of teleconference review, July, 2008

Healthy aging and senile dementia, teleconference, August, 2008.

Adult changes in thought project, chair, teleconference, March 30, 2009.

Impact of Amyloid on the Aging Brain, teleconference, November 9, 2009

Estrogen and the Aging Brain, December 2, 2009; April 26, 2010.

NAME Study Section, substitute March 2007; June, 2011; October, 2010 & 2011;
 NAME Study Section, regular member Feb, June, October: 2012-2015
 Frontotemporal dementia, July, 2011
 DIAN (Dominantly Inherited Alzheimer Network, December, 2012
 The LIFE Extension Study, June, 2013
 AD Review Committee, AD prevention Trials, July, 2013
 AD Review Committee, AD Phase I Clinical Trials, July, 2013; Oct 2015 & 2016
 AD Research Centers, Oct, 2013 and 2014
 AD Patient Registry: March and Oct, 2014. Chair of Review Committee (teleconference).
 CTSA Center awards, Rockville, Md., April, 2015.
 CTSA innovation awards: letters of intent. NCATS, September, 2015 (mail in review)
 Biomarkers of Alzheimer's Disease in down syndrome, July 29, 2015 (teleconference)
 AD pilot clinical trials. NIA, October, 2015; March and October, 2016 (teleconference)
 Alzheimer's disease animal model resources. NIA, May, 2016 (telephone review)
 Collaborative Innovation Awards & Translational Science Award Program, NCATS,
 Rockville, Md., May, 2016
 Estrogen, the aging brain and Alzheimer's disease. NIA. May, 2016 (teleconference)
 Dog Aging Program Project Grant, NIA, September, 2016 (teleconference)
 Frontotemporal dementia: genes, images, and emotions, NIA, Sept, 2016 (teleconference)
 EPSE Study Section, review 3 grants (teleconference) NIA, February, 2017
 SEP: Behavioral genetic, neuro & musculoskeletal epi. (teleconference), NIA, March, 2017
 SEP: Challenging engagement on elderly cognition, (teleconference) NIA, Sept., 2017.
 SEP: Pragmatic trials in dementia care, (teleconference) NIA, June, 2017.
 SEP: Drug repurposing for AD. NIA, (teleconference), Oct., 2017.
 SEP: Pepper Centers review (Bethesda. Md.), February, 2018.
 SEP: Alzheimer's disease animal model resources. (teleconference). May, 2018
 SEP: Pragmatic trials in dementia care (teleconference) NIA, June, 2018

Member, NCRR Review Committee for CTSA awards Rockville, MD, Oct 12-13, 2011

Clinical Translational Science Center Awards, Review panel, April, 2015, Rockville, Md

Motor Neuron Disease Association, England. August, 2012, one proposal.

Austrian Science Fund. June, 2012, one proposal.

Netherlands Organization for Health Research and Development, April, 2014, one proposal.

Netherlands Veni program ZonMw, one proposal, Sept., 2017

Special emphasis panels:

National Institute on Neurological Diseases and Stroke. Statistics Coordinating Center for
 Parkinson's Disease Clinical Trials, August, 2001

National Center for Complementary and Alternative Medicine, April, 2003

Antimicrobial Resistance Research. Atlanta, May 10, 2006

Ag Center at East Carolina University, February 25-27, 2009

Steering Committee, Member, National Alzheimer's Coordinating Center, 1999-2001

External Advisory Board, Alzheimer's Disease Research Center, University of Washington, Seattle, 1998 – 2001

Guest editor: special issue, *Statistics in Medicine* on Statistical Methodology in Alzheimer's Disease Research.
 Vol. 19, Nos. 11 & 12, June 2000 (with F. Schmitt).

Committee on Experimental Medicine, Gynecologic Oncology Group (GOG), Member, 2001-2006.

Moderator, Controversies in Clinical Trials Design Workshop, GOG Summer Symposium, Vancouver, B.C. July, 2002

Data Safety Monitoring Committee, Member, Texas Scottish Rite Hospital for Children, Dallas, TX, AmSMART Project, 2002

Advisory Board in Alzheimer's Disease, Member, Sanofi-Synthelabo Inc., 2002

External Advisory Board, Einstein Aging Study, Albert Einstein College of Medicine, 2003-present

Guest Editor: special issue of *Statistics in Medicine* on Statistical Methodology in Alzheimer's Disease Research, II. (with F. Schmitt) Vol. 23, No. 2, January, 2004 (with F. Schmitt)

Neurology, Associate Editor, February, 2004 - present

Member: Scientific Review Committee, National Alzheimer's Disease Coordinating Center, 2005 – 2008.

External Advisory Board, Member, Alzheimer's Disease Research Center, University of Michigan, 2006-2010.

Member, Data Safety Monitoring Board, Dimebon Clinical Trials, Pfizer, Inc, July, 2009 – December, 2010.

Member, Data Safety Monitoring Board, Dimebon Clinical Trials, Medivation Inc, August, 2009 – 2010.

Member, Scientific Advisory Committee, ALLTECH. Clinical trials in dementia. 2010-2015.

Clinical Translational Science Awards: Center Reviews, NCCR, Rockville, Md. , October 13-14, 2011

External Advisory Board, Emory University Alzheimer's Disease Research Center, 2011-present.

External Advisory Board, New York University Alzheimer's Disease Research Center, 2011-present.

External Advisory Board, UC Davis, Alzheimer's Disease Center, 2011-present.

External Advisory Board, UT Southwestern, Alzheimer's Disease Center, 2011-2016.

Special Government Employee: FDA Scientific Advisory Committee for Peripheral and Central Nervous Systems, 2016 – present.

External Advisory Board, Stanford University, Alzheimer's Disease Research Center, 2015-present.

External Advisory Board, Wake Forest University, Alzheimer's Disease Center, 2016-present.

Associate Editor, Alzheimer's and Dementia: Translational Research and Clinical Interventions. 2015- present.

Member Grifols AMBAR Data Monitoring Committee. 2016 to present.

Member, Data Safety Monitoring Board, Alzheimer's Disease Cooperative Studies Group, 2002-present

Member, Data Safety Monitoring Board, Alzheimer's Translational Research Institute, University of Southern California, 2015-present.

Member, Data safety Monitoring Board, Tele-Savvy: an on line psychoeducation program for caregivers of persons living with dementia, Emory University, April, 2017 to present.

Member, Data Safety Monitoring Board, Decreasing AD after delirium-exercise and cognitive training. University of Indiana Medical School, June, 2017 to present.

Member, Scientific Quality Reviewer for the CTSA Consortium SRC Process Pilot Study, Tufts University, August, 2017

Associate Editor, Biostatistics and Epidemiology, 2017 to present.

Awards

Fellow, American Statistical Association, 1995

Chapter Service Award, Kentucky Chapter of the American Statistical Association, 2000

Paul Minton Award for outstanding service to statistical education and the profession, Southern Region Council on Statistics (SRCOS), September, 2006.

Inducted Delta Omega Gamma Chapter, Public Health, May, 2007.

University Research Professor, University of Kentucky, 2007-2008.

Grand Mentor Award, Center for Clinical and Translational Studies, March, 2015.

Last updated: 8/20/2018