BIOGRAPHICAL SKETCH

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NAME: Moore, Dirk F.

eRA COMMONS USER NAME (credential, e.g., agency login): mooredf

POSITION TITLE: Associate Professor of Biostatistics and Epidemiology

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	Completion Date MM/YYYY	FIELD OF STUDY
Carlton College, Northfield, MN	BA	06/1975	Mathematics
Yale University, New Haven, CT	MPhil	06/1978	Biology
University of Washington, Seattle, WA	PhD	06/1985	Biostatistics

A. Personal Statement

I have extensive experience in the design of and data analysis for cancer experimental data, cancer clinical trials and epidemiologic studies and have brought that experience into my role as the Human Research Oversight Committee Co-Chair for the Rutgers Cancer Institute of New Jersey's Cancer Center Support Grant.

Ongoing research support that I would like to highlight include:

P30CA072720
Libutti (PI)
03/01/12–02/28/22
NIH/NCI
Cancer Center Support Grant
Role: Biostatistician of the Biometrics Shared Resource

P30ES05022
Zarbl (PI)
04/01/02-04/01/22
NIEHS (National Institute for Environmental and Health Sciences)
Rutgers Center for Environmental Exposure and Disease (CEED)
Role: Biostatistician

133916-RSG-19-161-01-TBE
Herranz (PI)
01/01/20-12/31/23
American Cancer Society
The role of SIRT1 in T-Cell Acute Lymphoblastic Leukemia
Role: Co-Investigator

B. Positions and Honors

Positions and Employment

1985-1988   Post-doctoral Fellow, Department of Biostatistics, Harvard School of Public Health
1988-1994   Assistant Professor, Dept. of Statistics, Temple University
1994-2003   Associate Professor, Dept. of Statistics, Temple University
2003-   Associate Professor, Department of Biostatistics, Rutgers (formerly UMDNJ) School of Public Health
             Biostatistician, Rutgers Cancer Institute of New Jersey, Robert Wood Johnson Medical School

Other Experience

1982-1983   Visiting Research Scientist, Radiation Effects Research Foundation, Hiroshima, Japan
1990-1995   Adjunct Associate Member, Dept. of Biostatistics, Fox Chase Cancer Center, Philadelphia, PA
1998   Guest Researcher, Biostatistics Branch, Division of Cancer Epidemiology and Genetics, National Cancer Institute, Rockville, MD

C. Contributions to Science

1. Biostatistical methods in cancer research - I have made use of case series and administrative databases such as the SEER-Medicare linked database to study factors associated with incidence and outcomes of breast and prostate cancer. I have used instrumental variable analysis as well as other methods for survival analysis in these studies.

   a. Shah MM, NeMoyer RE, Greco SH, Chen C, **Moore DF**, Grandhi MS, Langan RC, Kennedy TJ, Javidian P, Jabbour SK, Alexander HR, August DA, Carpizo DR. Subcategorizing T1 Staging in Pancreatic Adenocarcinoma Predicts Survival in Patients Undergoing Resection: An Analysis of the National Cancer Database. J Pancreat Cancer. 2020 Jul 14;6(1):64-72. doi: 10.1089/pancan.2019.0017. PMID: 32766509; PMCID: PMC7404823.
   b. Greco SH, August DA, Shah MM, Chen C, **Moore DF**, Masanam M, Turner AL, Jabbour SK, Javidian P, Grandhi MS, Kennedy TJ, Alexander HR, Carpizo DR, Langan RC. Neoadjuvant therapy is associated with lower margin positivity rates after Pancreaticoduodenectomy in T1 and T2 pancreatic head cancers: An analysis of the National Cancer Database. Surg Open Sci. 2020 Dec 16;3:22-28. doi: 10.1016/j.sopen.2020.12.001. PMID: 33490937; PMCID: PMC7807160.
   c. Kangas-Dick AW, Greenbaum A, Gall V, Groisberg R, Mehnert J, Chen C, **Moore DF**, Berger AC, Koshenkov V. Evaluation of a Gene Expression Profiling Assay in Primary Cutaneous Melanoma. Ann Surg Oncol. 2021 Aug;28(8):4582-4589. doi: 10.1245/s10434-020-09563-7. Epub 2021 Jan 23. PMID: 33486642.
   d. Gulhati P, Schalck A, Jiang S, Shang X, Wu CJ, Hou P, **Moore D**, et al. Targeting T cell checkpoints 41BB and LAG3 and myeloid cell CXCR1/CXCR2 results in antitumor immunity and durable response in pancreatic cancer. Nat Cancer [Internet]. 2022 Dec 30 [cited 2023 Jan 4]; Available from: https://www.nature.com/articles/s43018-022-00500-z

2. Statistical analysis of proteomics and genetics data in human disease - I have worked extensively with using biostatistical analyses to elucidate the effects of genes and proteins on disease. One application of interest is the effect of a reduced folate carrier polymorphism on placental abruption. Another is the analysis of mass-spectroscopy data on protein abundance to study their effects on lysosomal storage disease.

   a. Sleat DE, Tannous A, Sohar I, Wiseman JA, Zheng H, Qian M, Zhao C, Xin W, Barone R, Sims KB, **Moore DF**, Lobel P. Proteomic Analysis of Brain and Cerebrospinal Fluid from the Three Major Forms of Neuronal Ceroid Lipofuscinosis Reveals Potential Biomarkers. J Proteome Res. 2017 Oct 6;16(10):3787-3804. doi: 10.1021/acs.jproteome.7b00460. Epub 2017 Aug 28. PMID: 28792770; PMCID: PMC5860807.

b. Sleat DE, Wiseman JA, El-Banna M, Zheng H, Zhao C, Soherwardy A, **Moore DF**, Lobel P. Analysis of Brain and Cerebrospinal Fluid from Mouse Models of the Three Major Forms of Neuronal Ceroid Lipofuscinosis Reveals Changes in the Lysosomal Proteome. Mol Cell Proteomics. 2019 Nov;18(11):2244-2261. doi: 10.1074/mcp.RA119.001587. Epub 2019 Sep 9. PMID: 31501224; PMCID: PMC6823856.

c. Jadot M, Boonen M, Thirion J, Wang N, Xing J, Zhao C, Tannous A, Qian M, Zheng H, Everett JK, **Moore DF**, Sleat DE, Lobel P. Accounting for Protein Subcellular Localization: A Compartmental Map of the Rat Liver Proteome. Mol Cell Proteomics. 2017 Feb;16(2):194-212. doi: 10.1074/mcp.M116.064527. Epub 2016 Dec 6. PMID: 27923875; PMCID: PMC5294208.

3. Biostatistical methodology - I have worked on survival analysis and Bayesian methods in clinical trials.

a. Dong G, Shih WJ, **Moore D**, Quan H, Marcella S. A Bayesian-frequentist two-stage single-arm phase II clinical trial design. Stat Med. 2012 Aug 30;31(19):2055-67. doi: 10.1002/sim.5330. Epub 2012 Mar 13. PMID: 22415966.

b. **Moore DF** (2016). Applied Survival Analysis Using R. Springer Book.

c. **Moore DF**, Sleat DE, Lobel P. A Method to Estimate the Distribution of Proteins across Multiple Compartments Using Data from Quantitative Proteomics Subcellular Fractionation Experiments. J Proteome Res. 2022 Jun 3;21(6):1371-1381. doi: 10.1021/acs.jproteome.1c00781. Epub 2022 May 6. PMID: 35522998.

Complete List of Published Work in MyBibliography:
http://www.ncbi.nlm.nih.gov/sites/myncbi/1Pae8YeeYDHA1/bibliography/48095774/public/?sort=date&direction=ascending