

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Leaverton, Paul E.	POSITION TITLE Professor Emeritus (Epidemiology and Biostatistics)		
eRA COMMONS USER NAME (credential, e.g., agency login) Leaverton	Consultant		
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Iowa State University	BS	1956	Statistics
Iowa State University	MS	1961	Statistics
Iowa State University	Ph.D.	1963	Statistics

NOTE: The Biographical Sketch may not exceed four pages. Follow the formats and instructions on the attached sample.

A. Personal Statement.

I retired from the Department of Epidemiology and Biostatistics, College of Public Health, University of South Florida (USF) in 2001. I was the founding chair of that department (1985) and am now professor emeritus. Following my retirement from academia, I spent some time at Mahidol University in Bangkok, Thailand, completing work on the epidemiology of aplastic anemia in that country. Subsequently, I accepted a part-time position as Director of Research at the Arthritis Institute of America in nearby Clearwater, FL, re-retiring in 2012. Currently, I am a part-time consultant and occasional lecturer at USF.

B. Positions and Honors. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

Positions:

Commissioned Officer, US Public Health Service, Epidemic Intelligence Service (EIS), Centers for Disease Control, Atlanta, GA. 1957-59.

Assistant Professor, Department of Preventive Medicine, College of Medicine, University of Colorado, Denver, CO. 1963-64.

Assistant Professor, 1964-67, Associate Professor, 1967-71, Departments of Statistics and Preventive Medicine, University of Iowa, Iowa City, IA

Professor of Biostatistics, Department of Preventive Medicine and Environmental Health, College of Medicine, University of Iowa, Iowa City, IA. 1971-74.

Associate Director for Research, National Center for Health Statistics, Rockville, MD, 1974-80.

Deputy Director for Epidemiology and Biometry, Division of Clinical Applications, National Heart, Lung and Blood Institute, National Institutes of Health, Bethesda, MD, 1980-83.

Acting Associate Director for Epidemiology and Biometry, Division of Clinical Applications, National Heart, Lung and Blood Institute, National Institutes of Health, Bethesda, MD, 1983-85.

Professor, Department of Epidemiology and Biostatistics, College of Public Health, University of South Florida (USF), Tampa, FL, 1985-2001. Department Chair, 1985-95.

Professor Emeritus, Department of Epidemiology and Biostatistics, College of Public Health, USF and private consultant, 2001- present.

Director of Research (part-time), Arthritis Research Institute of America, Clearwater, FL. 2009 – 2012.

Honors:

Outstanding Young Alumnus Award, Iowa State University, 1969

Fellow- American Association for the Advancement of Science (AAAS), elected 1971

Fellow- Council on Epidemiology, American Heart Association, elected 1982

Spiegelman Award Lecture (invited), Statistics Section, American Public Health Association, 1992

Invited Plenary Lecture, Third International Symposium on Preventive Cardiology, Oslo, Norway, 1993

Statistics Section Award, American Public Health Association -1994

Professorial Excellence Program Award – USF Health Science Center, 1997

Distinguished Teaching Award (Selected by the USF College of Public Health student body), 1997

Editorial Board: Annual Review of Public Health (Epidemiology and Biostatistics sections), 1991-95

Editorial Board: Statistics in Medicine: 1994-97

American Epidemiological Society: elected 1984; President elect, 2000-01; President, 2001-02

C. Selected peer-reviewed publications (in chronological order). Do not include publications submitted or in preparation. For publicly available citations, URLs or PMC submission identification numbers may accompany the full reference; copies of publicly available publications are not accepted as appendix material.

Books:

A Review of Biostatistics: A Program for Self-Instruction, 5th Edition. P.E. Leaverton. Little, Brown, and Company, Boston, 117 pages, 1995. Editions also in Japanese, Greek, Spanish, Italian and Indonesian.

Statistical Inference in the Biomedical Sciences. D. V. Huntsberger and P.E. Leaverton. Allyn and Bacon, Boston, 269 pages. 1970.

Environmental Epidemiology. Proceedings of the Yves Biraud Seminars. P.E. Leaverton, editor, Praeger Publishers, New York, 176 pages, 1982.

Health Information Systems. P.E. Leaverton and L. Masse, editors, Praeger Publishers, New York, 195 pages, 1984.

Total Mortality and Mortality from Heart Disease, Cancer and Stroke from 1950 to 1978 in 27 Countries. National Institutes of Health, Thomas, T. Epstein, F. Feldman, J., Leaverton, P., and Wolz, M. NIH Publication No. 92-3088, 1992, 211 pages.

Manuscripts (selected from among approximately 100 papers and monographs):

Feinleib, M., Leaverton, P.E. Ecological fallacies in epidemiology; in Health Information Systems, P. E. Leaverton and L. Masse, eds. Praeger Publishers, N.Y., 1984. Pp 33-61.

Leaverton, P.E., Sorlie, P. Kleinman, J., Dannenberg, A., Ingster-Moore, L., Kannel, W.B. Representativeness of the Framingham risk model for coronary heart disease mortality: A comparison with a national cohort study. J Chron Dis, Vol. 40, No.8, pp 775-84. 1987.

Schocken, D., Arrieta, M., Leaverton, P.E., Ross, E. Prevalence and mortality of congestive heart failure in the United States. J Am College of Cardiology, Vol 20, No. 2, August 1992, pp 301-06.

Clarke, P., Leaverton, P.E. Scientific and ethical issues in the use of placebos in controlled clinical trials. Annual Review of Public Health, G. Omenn, ed., Annual Reviews, Inc. Palo Alto, 1994, pp 19-38.

Leaverton, P.E. Clinical Trials. Mahidol Journal (Thailand), 1999. Vol 6. No. 1: 59-65.

Leaverton, P.E. Epidemiology: The Basic Science of Public Health. Mahidol Journal (Thailand), 2000. Vol.7: 133-139.

Freeman, T.B., Vawter, D.E., Leaverton, P.E., et al. Use of placebo surgery in controlled clinical trials of a cellular-based therapy for Parkinson's disease. N Engl. J Med. 1999. Vol. 34; No. 13: 988-92.

Issaragrisil, S., Kaufman, D.W., Anderson, T., Chansung, K., Leaverton, P.E., Shapiro, S., Young, N.S. The epidemiology of aplastic anemia in Thailand. Blood 2006; 107(4):1299-1307.

Leaverton, P.E., Wilder F. V., Biostatistics. Invited chapter in the International Encyclopedia of Public Health, Elsevier publishers with Academic Press, San Diego. First Edition (2008), vol. 1, pp 301-311.

Wilder, F. V., Leaverton, P.E., Rogers, M.W. Height and radiographic osteoarthritis: An epidemiologic assessment - short communication. Journal of Musculoskeletal Research (JMR). Vol 11, Issue 4 (2008) 185-89.

Bernard, TE, Wilder, FV, Alouch, M., Leaverton PE. Job-related osteoarthritis of the knee, foot, hand, and cervical spine. J Occup Environ Med., 2010 Jan, 52(1): 33-8.

Ferraro B, Wilder FV, Leaverton PE. Site specific osteoarthritis and the index to ring finger length ratio. Osteoarthritis Cartilage, 2010 Mar; 18(3): 354-7.

Valdes AM, Arden NK, Vaughn FL, Doherty SA, Leaverton PE, et al. Role of the Nav1.7 R1150W amino acid change in susceptibility to symptomatic knee osteoarthritis and multiple regional pain. Arthritis Care Res. 2011 Mar;63(3):440-4.

Malfait AM, Seymour AB, Gao F, Leaverton PE, et al. A role for PACE4 in osteoarthritis pain: evidence from human genetic association and null mutant phenotype. Ann Rheum Dis. 2012 Jun; 71 (6): 1042-8.

Leaverton PE, Peregoy J, Fahlman L, Sangeorzan E, Barrett JP, Jr. Does diabetes hide osteoarthritis pain? Med Hypotheses. 2012 Apr; 78 (4):471-4.

Research Support. List selected ongoing or completed (during the last three years) research projects (federal and non-federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and your role (e.g. PI, Co-Investigator, Consultant) in the research project. Do not list award amounts or percent effort in projects.

Consultant to the Florida Power and Light Company, Juno Beach, FL. Continuing assessment of epidemiologic investigations on the possible health effects of exposure to electric and magnetic fields in the community. (Ongoing, since 2001)

Epidemiological consultant to the Arthritis Research Institute of America, Clearwater, FL

Pending Grant (2012): National Institute for Occupational Safety and Health (NIOSH).
Effects of Job Risk Factors on Development of Osteoarthritis. Tom Bernard, PI. USF
Federal Identifier OH010217.
Organizational DUNS 069687242
Senior Investigator
Two years