BIOGRAPHICAL SKETCH

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NAME	POSITION TITLE
James A. Koziol, Ph.D.	Head, Division of Biomathematics

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
University of Chicago, Chicago, IL	B.S.	1969	Mathematics
University of Chicago, Chicago, IL	M.S.	1970	Statistics
University of Chicago, Chicago, IL	Ph.D.	1974	Statistics

A. Positions and Honors

1970 Commissioned Officer, U.S. Public Health Service, Office of the Chief, Biometry Branch, National Cancer Institute, Bethesda, MD, 1970-1972.

1974 Staff Fellow, Clinical and Diagnostic Trials Section, Biometry Branch, 1974-976.

1976 University of British Columbia, Vancouver, BC, Canada; Assistant Professor of Mathematics, 1976-1978.

1978 University of California San Diego, San Diego, CA; Adjunct Associate Professor of Mathematics and Medicine; Supervisor of Biostatistics-Epide-miology Unit, T. Gildred Cancer Center, 1978-1985.

1985 Scripps Clinic and Research Foundation, La Jolla, CA; Senior Staff Scientist, Department of Basic and Clinical Research, 1985.

1988 Scripps Clinic and Research Foundation, La Jolla, CA; Member, Department of Molecular and Experimental Medicine; Head, Division of Bio-mathematics, 1988-present.

1969 National Science Foundation Graduate Fellowship, 1969-70/1972-74

1980 NIH Research Career Development Award, 1980-1986

1982 Institute of Mathematical Statistics, Fellow, 1982

1988 Alexander von Humboldt Foundation Award, Universität Heidelberg, 1988-1990

B. PUBLICATIONS (selected from over 200 publications):

1. Koziol, J.A., Maxwell, D.A., Fukushima, M., Colmerauer, M.E.M., and Pilch, Y.H. A distribution-free test for tumor-growth curve analyses with application to an animal tumor immunotherapy experiment. Biometrics 37:383-390, 1981.

2. Koziol, J.A. and Maxwell, D.A. A distribution-free test for paired growth curve analyses with application to an animal tumor immunotherapy experiment. Statistics in Medicine 1:83-89, 1982.

3. Brown, C.C. and Koziol, J.A. Statistical aspects of the estimation of human risk from suspected environmental carcinogens. SIAM Review 25:151-181, 1983.

4. Dillman, R.O. and Koziol, J.A. Statistical approach to immunosuppression classification using lymphocyte surface markers and functional assays. Cancer Research 43:417-421, 1983.

5. Shea, M., Koziol, J.A. and Howell, S.B. Kinetics of sodium thiosulfate, a cisplatin neutralizer. Clin. Pharmacol. Ther. 35:419-425, 1984.

6. Crepeau, H., Koziol, J., Reid, N. and Yuh, Y.S. Analysis of incomplete multivariate data from repeated measurement experiments. Biometrics 41:505-514, 1985.

7. Taetle, R. and Koziol, J.A. In vitro drug testing using hemopoietic cells: goals and limitations. CRC Critical Reviews in Hematology/Oncology 4:169-201, 1985.

8. Koziol, J.A. Stochastic processes in the neurosciences. J Theoretical Neurobiology 5:101-105, 1986.

9. Dillman, R.O. and Koziol, J.A. A mathematical model of monoclonal antibody therapy in leukemia. Mathematical Modelling 9:29-35, 1987.

10. Koziol, J.A., Petkau, A.J. and Taetle, R. Objective criteria for in vitro drug response in human tumor colony forming assays. Medical Decision Making 8:304-309, 1988.

11. Dillman, R.O., Koziol, J.A. and Shawler, D.L. Mathematical modeling for antibody therapy in the setting of antigenic modulation. Molecular Biotherapy 1:46-52, 1988.

12. Koziol, J.A. Cluster analysis of antigenic profiles of tumors: selection of number of clusters using AIC. Meth. Inform. Med. 20:200-204, 1990.

13. Dillman, R.O. and Koziol, J.A. Phase I cancer trials: limitations and implications. Mol. Biother. 4:117-121, 1992.

14. Koziol, J.A., Decker, D.J., Boyle, N.A. and Klinman, N. R. The use of Bayesian analysis of PCR-derived genomic DNA sequences to enable a biologically relevant interpretation of immunoglobulin variable region gene expression. J. Theor. Biol. 160:387-398, 1993.

15. Koziol, J.A. Probability plots for assessing multivariate normality. The Statistician 42:161-173, 1993.

16. Sobol, R.E., Royston, I., Fakhrai, H. et al. Injection of colon carcinoma patients with autologous irradiated tumor cells and fibroblasts genetically modified to secrete interleukin-2: a phase I study. Human Gene Therapy 6:195-204, 1995.

17. Adams, H.-P. and Koziol, J.A. Prediction of binding to MHC class I molecules. J. Immunol. Meth. 185:181-190, 1995.

18. Koziol, J.A., Lee, P.P., Dillman, R.O., Fagnani, R. and Halpern, S. Pharmacokinetics of 111In-labelled monoclonal antibody ZCE-025 and fragments in tumour-bearing mice. Nuclear Medicine Communications 16:299-305, 1995.

19. Koziol, J.A. and Wu, S.-C.H. Changepoint statistics for assessing a treatment-covariate interaction. Biometrics 52:1147-1152, 1996.

20. Koziol, J.A. and Wu, S.-C.H. A review of nonparametric tests for changepoint problems, with application to a recombinant drug therapy clinical trial. J. Biopharm. Statist. 6:425-441, 1996.

21. Koziol, J.A. A non-parametric index of tracking. J. Appl. Statist. 25:181-191, 1998.

22. Saven A., Burian C., Koziol J.A., Piro L.D. Long term follow-up of patients with hairy cell leukemia after cladribine treatment. Blood 92:1918-1926, 1998.

23. Koziol J.A., Tuckwell H.C. A Bayesian method for combining independent tests. Journal of Statistical Planning and Inference 78:317-323, 1999.

24. Shadan F.F., Koziol J. Induced genomic instability as a potential screening test for cancer susceptibility? Med Hypotheses 55:69-72, 2000.

25. Koziol J.A., Ho N.J., Felitti V.J., Beutler E. Reference centiles for serum ferritin and percentage of transferrin saturation, with application to mutations of the HFE gene. Clin. Chem. 47:1804-1810, 2001.

26. Goodman G.R., Burian C., Koziol J.A., Saven A. Extended follow-up of patients with hairy cell leukemia after treatment with cladribine. J. Clin. Oncol. 21:891-896, 2003.

27. Koziol J.A., Zhang J.Y., Casiano C.A., Peng X.X., Shi F.D., Feng A.C., Chan E.K.L., Tan E.M. Recursive partitioning as an approach to selection of immune markers for tumor diagnosis. Clinical Cancer Research 9:5120-5126, 2003.

28. Fuller D.B., Koziol J.A., Feng A.C. Prostate brachytherapy seed migration and dosimetry: analysis of stranded sources and other potential predictive factors. Brachytherapy 3:10-19, 2004.

29. J.A. Koziol, A.C. Feng. A Note on the Genome Scan Meta-Analysis Statistic. Annals of Human Genetics 68:376-380, 2004.

C. Research Support

ONGOING
   None

COMPLETED
   None