

JANE S. SCHULTZ, Ph.D.
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EXPERTISE Immunogenetics, transplantation immunology, research management, strategic research planning, university-corporation government interactions, program management and development, consultation for the research community, non-profit corporate management

MAJOR POSITIONS HELD

2004-present UNIVERSITY OF CALIFORNIA, RIVERSIDE

Director of Research Development

Reporting to the Vice Chancellor for Research-Assist Faculty Members across campus in the development of research programs, -identify funding sources, arrange Grant Preparation Workshops, advise faculty on grant construction, discuss grant programs and researcher problems with program staff at funding agencies, select nominees for awards and prepare nominations, arrange interdisciplinary groups to respond to solicitations.

2001-2002 NASA - AMES RESEARCH CENTER

Senior Scientist Office of the Director

Developed program in fundamental biology for the Ames Research Center. Goal of the program ("Biosmart Program") is consistent with the mission of the Ames laboratory and is of interest to the scientific community at large. Convened workshop of Scientific Advisors for program. Researched and prepared final report. (with Dr. Jerome Schultz)

1994-2004 THE NATIONAL DISEASE RESEARCH INTERCHANGE (NDRI) –

Research Director/Executive Director, Director of Special Programs

Not-for profit company with 30 employees that procures and distributes human tissues for research purposes. Recruits families and biomaterials for genetic studies. Established liaison with Japanese Group. Technology transfer and financial arrangements with pharmaceutical and biotechnology companies. PI on \$4,000,000 cooperative agreement with NIH, recently renewed for an additional \$5,500,000. Identified collaborators and new customers. Assisted in the establishment of new division that serves the health science industry.

1988 - 1993 UNIVERSITY OF PITTSBURGH

Associate Professor of Pathology (1988 - 1993)

Director - Research Administration Health Sciences

Enhanced research programs in all Health Sciences Schools; assist investigators with grant development (such as new grant and fellowship structure and resubmissions), identification of funding sources and alternative grant opportunities. Preparation of institutional grants, building of consortia, internal program review.

Research Integrity Officer (1991 - 1992)

Initiated this new office for the University. Re-established satisfactory relations with several federal agencies. Successfully acted as a contact with public and press on research integrity matters. Brought several ongoing cases to satisfactory conclusion. Participated in initiation of research integrity education program.

1983 - 1988 NATIONAL INSTITUTES OF ALLERGY AND INFECTIOUS DISEASES (NIAID) - NATIONAL INSTITUTES OF HEALTH

Chief - Genetics and Transplantation Biology Branch (1983 - 1988)

Increased branch budget from \$11,000,000 to \$48,000,000 through initiation of innovative new research programs, several of which arose through initiation and implementation of workshops and conferences. Established excellent relationships with major researchers which enabled me to enlist their assistance with these programs.

Acting Deputy Director, Immunology, Allergy and Immunologic Diseases Program (1987 - 1988)

Preparation of budget requests to congress for entire program. Planning of special program initiatives. Liaison with other institutes and with the office of the NIAID Director.
NIH Directors Award (1986)
PHS Special Achievement Award (1988)

1979 - 1983 UNIVERSITY OF MICHIGAN

Assistant Dean for Curriculum, Medical School (1979 - 1982)

Developed new curriculum initiatives working with course directors and faculty participants. Major effort was transition program from basic science to clinical years. Supervised all scheduling and examination efforts. Participated in review of programs.

Assistant Dean for Student Affairs (1982 - 1983)

Responsible for student activities including the Resident Match Program, Commencement, Dean's Letters, Student Health and Financial Aid. Participation in restructuring of class size.
Michigan Council of Medical School Deans

Assistant then Associate Professor of Human Genetics (1973 - 1983)

Teaching - Graduate Course in Immunogenetics
Grand Rounds - Neurology and Rheumatology
Medical Student interdisciplinary lectures in Immunogenetics
Lecturer in six year integrated medical-premedical program.
Doctoral committees.
Academic Committee Service.

1977 - 1979 VETERANS ADMINISTRATION CENTRAL OFFICE WASHINGTON, D.C.

Chief of Program Development and Review

Managed review process for National Veterans Administration Research Program - budget \$100,000,000 per year. Set up appeals system. Set up system for budget adjustment. Initiated special programs for established investigators. Developed programs in special emphasis areas.

VA liaison representative to National Institutes of General Medical Sciences Council (1979-1983)
VA Representative-Federal Interagency Committee on Recombinant DNA Research (1977-1983)

- 1972 - 1983 VETERANS ADMINISTRATION MEDICAL CENTER - UNIVERSITY OF MICHIGAN**
Laboratory Director - Histocompatibility Research . NCI and VA grantee.
38 Publications.
VA liaison representative-Genetics Study Section (1973-1977)
Research and Development Committee-VA Medical Center
- 1971-1972 Senior Research Investigator – University of Leiden, Leiden, The Netherlands, Dept. Immuno-haematology**
- 1970- 1971 Research Associate in laboratory of Dr. Donald C. Shreffler**
- 1958-1964 Science Teacher, Pearl River High School, Pearl River, N.Y.**
- 1955-1958 Research Scientist, U.S.D.A. Forest Products Laboratory, Madison Wisconsin**
- 1954-1955 Research Chemist, General Foods Corporation, Hoboken, N.J.**

EDUCATIONAL BACKGROUND

University of Michigan	Ph. D. Human Genetics	1970
	M.S Human Genetics	1968
Columbia University	M.S. Chemical Engineering	1955
Hunter College (CUNY)	B.A. Chemistry	1953 (cum Laude)

SCIENTIFIC ACTIVITIES AT THE NATIONAL LEVEL

1991 Texas Higher Education Coordinating Board, Research Programs Division – Grant Review Committee

1987 National Kidney and Urologic Diseases Advisory Committee

1989 Texas Higher Education Coordinating Board, Research Programs Division – Grant Review Committee

1986-1991 Health Resources and Services Administration Study Section - Review of grants for Organ Procurement

1985-1986 National Task Force on Organ Transplantation

1979-1983 VA Representative to National Institutes of General Medical Sciences Council, NIH

1978-1982 American Soc. Microbiologists, Committee on VA Microbiologists

1978-1982 NIH Recombinant DNA Advisory Committee (non voting member)

1978-1983 National Institute of Allergy and Infectious Diseases, Office of Recombinant DNA Activities, Board of Scientific Counsellors

1977-1983 Federal Interagency Committee on Recombinant DNA Research

1973-1977 NIH Genetics Study Section, VA Liaison Representative

HONORS AND AWARDS

PHS Special Achievement Award (NIAID) 1988
NIH Directors Award, 1986
NIH Outstanding Performance Evaluation (NIAID), 1983-1986
NIH Predoctoral Trainee at Univ. Michigan, Dept. Human Genetics, 1966-1970
Sigma Xi, Phi Beta Kappa, NY State Regents Scholarship
Cum Laude at Hunter College

ACADEMIC COMMITTEES

University of Michigan

President's Commission on Women

Advisory Committee for Women in Science, Center for Continuing Education for Women,
Representative to Medical Education Group of Association of American Medical
Colleges

Michigan Council of Medical School Deans, Education Committee

Advisory Committee, Center for Gender Studies

Cost Containment Committee, University of Michigan Medical Center

Michigan Diabetes Center, Committee on Health Care Delivery

VA Medical Center, Ann Arbor

Research and Development Committee

SPECIAL TRAINING

NIH, Grants Associates Seminar Program for Research Management, 1985-1986

Capitol Hill Workshop, 1986

Association of American Medical Colleges, Executive Development Seminars, 1980

Management Development Program in Health (six weeks), Harvard University School of Public
Health, 1978

PUBLICATIONS

Henley, E.J. and Schwartz (Schultz), J.P.: Effect of gamma radiation on aqueous ethylene-oxygen solutions. *J. Am. Chem. Soc.* 77: 3167 (1955).

Millett, M.A., Schultz, J.S. and Saeman, J.F.: Measurement of ion-exchange capacity of some wood pulps and nitro pulps. *TAPPI* 41: 560 (1958).

Schultz, J.S., Shreffler, D.C., and Harvie, N.R.: Genetic and antigenic studies and partial purification of a human serum lipoprotein carrying the Lp antigenic determinant. *Proc. Natl. Acad. Sci.* 61: 963 (1968).

Harvie, N.R. and Schultz, J.S.: Studies of the Lp-Lipoprotein as a quantitative genetic trait. *Proc. Natl. Acad. Sci.* 66: 99 (1970).

Arends, T., Weitkamp, L.R., Gallango, M.L., Neel, J.V., and Schultz, J.S.: Gene frequencies and microdifferentiation among the Makiritare Indians. II. Seven serum protein systems. *Amer. J. Hum. Genet.* 22: 526 (1970).

Abramson, F.D., Schultz, J.S.: Oral contraceptive side effects and allergy: an immune aetiology? *Lancet* II, 1374, (1971).

Schultz, J.S. and Shreffler, D.C.: Information pertaining to the serum fraction localization of a soluble

- inhibitor of anti-HLA. *Transplantation* 13, 186, (1972).
- Weitkamp, L.R., Arends, T., Gallango, M., Neel, J.V., Schultz, J.S., and Shreffler, D.C.: The genetic structure of a tribal population, the Yanamama Indians. III. Seven serum protein systems. *Ann. Hum. Genet. Lond.* 35, 271, (1972).
- Schultz, J.S. and Shreffler, D.C.: Genetics and Immunochemistry of the Lp antigen of human serum. Presented at the 4th International Congress of Human Genetics, Paris, France, September 10, 1971. *Proceedings, IV International Congress of Human Genetics, Paris 1971. Excerpta Medica. Amsterdam, 1973, page 345.*
- Harvie, N.R. and Schultz, J.S.: Studies on the heterogeneity of Lp lipoproteins and on the occurrence of double Lp lipoprotein variants. *Biochem. Gen.* 9, 235, (1973).
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- Schultz, J.S., Frelinger, J.A., Kim, S.K., and Shreffler, D.C.: The distribution of Ia antigens of the H-2 complex on lymph node cells by immunoferritin labelling. *Cell. Imm.* 16, 125 (1975).
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- Schultz, J.S., Beals, T.F., and Petraitis, F.P.: Tissue graft rejection in mice: I. Contributions of H-2 and non-H-2 genetic barriers. *Immunogenetics* 3, 85 (1976).
- Schultz, J.S. Beals, T.F., and DeMott-Friberg, R.: Tissue graft rejection in mice, II. Graft survival across H-2 subregional barriers. *Immunogenetics* 4, 315, (1977).
- Good, A.E. and Schultz, J.S.: Reiter's syndrome following *Shigella flexneri* 2a. *Arthritis Rheum.*: 20, 100, (1977).
- Schultz, J.S., Beals, T.F., and DeMott-Friberg, R.: Tissue graft rejection in mice, V. Survival, Rejection, or Proliferation Across Minor Barriers. *Immunogenetics* 6, 585, (1978).
- Brewer, G.J., Schultz, J.S., and Sing, C.F.: Abnormal Frequencies of HLA-A3 Antigen in Homozygous Sickle Cell Anemia. *Blood*, 50 Supplemental 1, 291, (1977).
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- Wahl, R., Meo, T., Shreffler, D., Miller, W., Atkinson, J.P., Schultz, J., and Osterland, C.K.: C2 Deficiency and a Lupus Erythematosus-Like Illness: Family Re-evaluation. *Ann Int. Med* 90, 717-718, (1979).

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- Schultz, J.S., DeMott-Friberg, R. and Beals, T.F.: Immunogenetic control of the response of female mice to male tissue grafts. *Immunogenetics* 12, 199-205 (1981).
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