

BIOGRAPHICAL SKETCH

Give the following information for the key personnel and consultants listed on page 2. Begin with the Principal Investigator/Program Director. Photocopy this page for each person.

NAME Douglas C. Hixson	POSITION TITLE Assoc. Research Oncologist	BIRTHDATE (Mo., Day, Yr.) 6/21/47	
EDUCATION (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE	YEAR CONFERRED	FIELD OF STUDY
Purdue University, W. LaFayette, IN	B.S.	1969	Mathematics
Purdue University, W. LaFayette, IN	M.S.	1971	Bio/Biochemis
The Univ. of Texas Graduate School of Biomedical Sciences, Houston, TX	Ph.D.	1975	Biomed. Sciences

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. DO NOT EXCEED TWO PAGES.

- 1972-1975 Rosalie B. Hite Predoctoral Fellow in Virology, The Univ. of Texas M.D. Anderson Hospital and T
Houston, Texas
- 1975-1976 Project Investigator, Dept. of Virology, The Univ. of Texas M.D. Anderson Hospital and Tumor Ins
Houston, Texas
- 1976-1977 Research Associate, Depts. of Biochemistry and Virology, The Univ. of Texas M.D. Anderson Hos
Tumor Institute, Houston, Texas
- 1977-1985 Associate Biochemist and Assistant Professor of Biochemistry, The Univ. of Texas System Cancer
Science Park-Research Division, Smithville, Texas
- 1985- Associate Research Oncologist, Rhode Island Hospital, Providence, Rhode Island;
Associate Professor of Medicine and Pathology, Brown University, Providence, RI

Publications:

1. Neri, G., M. Giuliano, S. Capetillo, E. Gilliam, D. Hixson, and E.F. Walborg, Jr., "Lectin-induced aggluti
Novikoff hepatoma cells: Lectin receptor activity of cell-surface glycopeptides and effect of neuraminidase c
cytoagglutination." Cancer Res., 35:263-268, 1976.
2. Neri, G., M. Giuliano, D. Hixson, and E.F. Walborg, Jr., "The role of cell surface sialic acid in lectin-indu
agglutination of Novikoff hepatoma cells." In: Membranes and Diseases, (L. Bolis, J. Hoffman and A. Le
Raven Press, New York, NY, 1976, pp. 163-172.
3. Neri, G., M.C. Giuliano, S.C. Capetillo, E.G. Gilliams, D.C. Hixson, and E.F. Walborg, Jr., "Regulatory
surface sialic acid in lectin-induced cytoagglutination of rat hepatoma cells." Acta Medica Romana, 14:432-4
4. Starling, J.J., D.C. Hixson, E.M. Davis, and E.F. Walborg, Jr., "Surface properties of adult rat hepatocyte
of increased concanavalin A-induced agglutinability following papain digestion." Exp. Cell Res., 104:165,
5. Chan, J.C., D.C. Hixson, and J. M. Bowen. "Detection of vesicular stomatitis virus (Murine leukemia viru
pseudotypes of immunoelectron microscopy." Virology, 88:171, 1978.
6. Hixson, D.C., J.M. Bowen, M. Scanlon, M. Nash and L. Dmochowski. "Strain related variations in the im
ferritin conjugated plant lectins with murine mammary tumor viruses." Cancer Res., 39:199, 1979.
7. Glenney, J.R., Jr., D.C. Hixson and E.F. Walborg, Jr. "Inhibition of concanavalin A-induced agglutination
hepatoma cells by cytochalasins and metabolic inhibitors; Role of cell-surface morphology and topography."
Res., 118:353-364, 1979.
8. Hixson, D.C., J.M. Yep, J.R. Glenney, Jr., T. Hayes, and E.F. Walborg, Jr. "Evaluation of
periodate/lysine/paraformaldehyde fixation as a method for cross-linking plasma membrane glycoproteins."
Histochem. Cytochem., 29:561-566, 1981.