

CURRICULUM VITAE

Stephen Alexander

ADDRESS

University of Missouri-Columbia
Division of Biological Sciences
422 Tucker Hall
Columbia, Missouri 65211
(314) 882-6670

PERSONAL

Date of birth: September 28, 1948
Place of birth: Chicago, Illinois
Marital status: Married, three children
Social Security Number: 351-40-9654

EDUCATION

B.S. Biology. 1966-1971 University of Illinois, Urbana, Illinois
Ph.D. Biology. 1971-1976 Brandeis University, Waltham, Massachusetts (Laboratory of Maurice Sussman
- 1973-1976 at the Hebrew University, Jerusalem, Israel)
Postdoctoral Fellow, 1976-1980, Dana-Farber Cancer Institute, Harvard Medical School, Boston,
Massachusetts (Laboratory of Jack Strominger)

RESEARCH INTERESTS

Cellular and Molecular Basis of Morphogenesis and Cytodifferentiation; Structure and Function of Glycoproteins

PROFESSIONAL RECORD

1987-Present Associate Professor, Division of Biological Sciences, University of Missouri, Columbia, Missouri
1990 Visiting Professor, Department of Biology, University of Iowa
1983-1987 Assistant Member, Department of Molecular Biology, Research Institute of Scripps Clinic, La Jolla, California
1985 Visiting Fellow, Macquarie University, Sydney, Australia
1980-1983 Research Associate, Department of Immunology, Research Institute of Scripps Clinic, La Jolla, California (Laboratory of Richard Lerner)
1977 Transformed Cell Course, Cold Spring Harbor Laboratory, Cold Spring Harbor, New York
1971 Laboratory Instructor, Department of Biology, Brandeis University, Waltham, Massachusetts
1971 Research Assistant, Department of Biochemistry, University of Illinois, Urbana, Illinois (Laboratory of H. Edward Conrad)

HONORS AND AWARDS

1969-1970 National Science Foundation Undergraduate Summer Research Fellowship
1970 High Honors in Liberal Arts and Sciences and High Distinction in Biology at Graduation, University of Illinois, Urbana, Illinois
1971-1976 NIH Predoctoral Trainee
1976-1978 NIH Postdoctoral Fellow

PROFESSIONAL ACTIVITIES

1987 NIH Cell Biology and Physiology Study Section, Ad hoc Member
1988-1992 NIH Cell Biology and Physiology Study Section, Permanent Member
1989-1991 Board of Advisors, CRC Year Book of Developmental Biology

SELECTED PUBLICATIONS

Rossomando, E.F., A.S. Steffek, D.K. Mujwid and S. Alexander. 1974. Scanning electron microscopic observations on cell surface changes during aggregation of *Dictyostelium discoideum*. Exptl. Cell Res. **85**: 73-78.
Brackenbury, R.W., J. Schindler, S. Alexander and M. Sussman. 1974. A choice of morphogenetic pathways in *Dictyostelium discoideum* induced by the adenosine analog formycin B. J. Mol. Biol. **90**: 529-539.
Alexander, S., R.W. Brackenbury and M. Sussman. 1975. Tryptic destruction of aggregative competence in *Dictyostelium discoideum* and subsequent recovery. Nature **254**: 698-699.
Alexander, S. and M. Sussman. 1975. Trehalose-6-phosphate synthetase activity in extracts of *Dictyostelium discoideum*. Dev. Biol. **43**: 211-215.
Sussman, M., S. Alexander, C. Boshwitz, R. Brackenbury, A. Cohen and J. Schindler. 1975. Morphogenetic feedback and gene expression in *Dictyostelium discoideum*. ICN-UCLA Winter Conference on Developmental Biology (D. MacMahon and C.F. Fox, eds.) W. Benjamin Publishers, Philadelphia, PA, pp. 89-108.
Green, N., H. Alexander, A. Olson, S. Alexander, T.M. Shinnick, J.G. Sutcliffe and R.A. Lerner. 1982. Immunogenic structure of the influenza virus hemagglutinin. Cell **28**: 477-487.