

BIOGRAPHICAL SKETCH

Give the following information for key professional personnel listed on page 2, beginning with the Principal Investigator/Program Director. Photocopy this page for each person.

| NAME | TITLE | BIRTHDATE (Mo., Day, Yr.) |
|------------------------|---------------------|---------------------------|
| KASTURI, Kuppuswamy N. | Postdoctoral Fellow | Nov.6, 1945 |

EDUCATION (Begin with baccalaureate or other initial professional education and include postdoctoral training)

| INSTITUTION AND LOCATION | DEGREE (circle highest degree) | YEAR CONFERRED | FIELD OF STUDY |
|----------------------------------|--------------------------------|----------------|--------------------|
| Madras University, Madras, India | B.Sc. | 1965 | Botany & Chemistry |
| Madras University, Madras, India | M.Sc. | 1968 | Microbiology |
| Paris University, Paris, France | D.E.A. | 1972 | Cell Biology |
| Paris University, Paris, France | Dr.es. Sc | 1977 | Cell Biology |

RESEARCH AND/OR 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.**

POSITIONS HELD:

- 1969-1970 - Demonstrator in Microbiology, Jipmer, Pondicherry, India
 1977-1979 - Postdoctoral Research Fellow, Pasteur Institute, Paris, France
 1979-1986 - Research Scientist, Beatson Institute for Cancer Res., Glasgow, U.K.
 1986-Present - Postdoctoral Fellow, Microbiology Dept., Mt.Sinai School of Medicine, NY.

HONORS:

Member of Scientific Societies

PUBLICATIONS RELEVANT TO RESEARCH PROPOSAL:

10. Harrison, P.R., Kasturi, K., and Fleming, J. Monoclonal antibodies against red blood cell antigens expressed at different stages of development. Biochem. Soc. Trans. 1981. 9. NO.2,300.
11. Harrison, P.R., Affra, N., Goldfarb, P.S., Kasturi, K., Yang, Q.S., Lyons, A. O'Prey, J., Fleming, J., Black, E., and Nichols, R. Analysis of Red blood cell differentiation in "Stability and Switching in Cellular Differentiation" edited by R.M. Clayton and D.E.S. Truman, 1982, 81.
12. Kasturi, K., Fleming, J., and Harrison, P.R. A monoclonal antibody against erythrocyte spectrin reacts with both α and β Sub-units and detects Spectrin-like molecules in nonerythroid cells. Exp.cell Res. 1983. 144,241.
13. Kasturi, K., and Harrison, P.R. Cell specificity and biosynthesis of mouse glycoporphins studied with monoclonal antibodies. Exp.Cell Res. 1985, 157,253.
14. Kasturi, K., O'Prey, J., and Harrison, P.R. Expression and cloning of glycoporphin genes. Eur. J. Cell Biol. 1985, 36, Suppl.8,33.
15. Fleming, J., Thiele, B., Kasturi, K., O'Prey, J., Chester, J., and Harrison, P.R. Isolation of Rabbit erythrocyte specific lipoygenase cDNA clone (In preparation).