BIOGRAPHICAL SKETCH

Give the following information for the key personnel and consultants and collaborators. Begin with the principal investigator/program director. Photocopy this page for each person.

NAME	POSITION TITLE
BÆKKESKOV, Steinunn	Associate Professor

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
University of Copenhagen, Copenhagen, DK	M.S./Ph.D.	1976	Cand.Scient.Biochemistry
Int. Lab. Res. Animal Diseases, Nairobi, Kenya	Postdoc.	1977-79	Biochemistry
Hagedorn Research Laboratory, Copenhagen, DK	Postdoc.	1980-82	Immunology of Diabetes
University of Copenhagen, Copenhagen, DK	Ph.D.	1984	Lic. Scient. Immunology

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Key personnel include the principal investigator and any other individuals who participate in the scientific development or execution of the project. Key personnel typically will include all individuals with doctoral or other professional degrees, but in some projects will include individuals at the masters or baccalaureate level provided they contribute in a substantive way to the scientific development or execution of the project. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, 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.

RESEARCH AND PROFESSIONAL EXPERIENCE

1973-1975 Student Research Fellow, Dept. of Chemistry, Carlsberg Laboratory, Copenhagen, Denmark. Thesis: Isolation, characterization, and chemical modification of glucose-6-phosphate dehydrogenase from Saccharomyces cerevisae.

1976 Lecturer in Biochemistry, University of Copenhagen, Faculty of Medicine, Copenhagen, Denmark.

1977-1979 Postdoctoral Fellow, Dept. of Biochemistry, International Laboratory for Research on Animal Diseases (ILRAD), Nairobi, Kenya.

1980-1982 Postdoctoral Fellow, Hagedorn Research Laboratory, Copenhagen, Denmark.

1982-1986 Staff Scientist, Hagedorn Research Laboratory.

1986-1989 Senior Staff Scientist, Hagedorn Research Laboratory.

1989-1992 Assistant Professor, Depts. of Medicine and Microbiology/Immunology, UCSF

1992 Associate Professor, Dept. of Medicine and Microbiology/Immunology, UCSF

HONORS AND AWARDS

1982-1984 Juvenile Diabetes Foundation Research Fellowship

1984-1987 Juvenile Diabetes Foundation Career Development Award

1991-1993 NIH Shannon Award

SELECTED PUBLICATIONS

(Total: 58. Included are selected publications prior to 1990 and all but some book chapters and reviews from 1990 to present.)

1. Rovis, L. and Baekkeskov, S. Subcellular fractionation of *Trypanosoma brucei*. Isolation and characterization of plasma membranes. Parasitology **80**, 507-524 (1980).
2. Bækkeskov, S., Kanatsuna, T., Klareskog, L., Nielsen, D.A., Peterson, P.A., Rubenstein, A.H., Steiner, D.F. and Lernmark, A. Expression of major histocompatibility antigens on pancreatic islet cells. *Proc. Natl. Acad. Sci. USA* **78**, 6456-6460 (1981).
3. Baekkeskov, S., Nielsen, J.H., Marner, B., Bilde, T., Ludvigsson, J. and Lernmark, A. Autoantibodies in newly diagnosed diabetic children immunoprecipitate specific human pancreatic islet cell proteins. *Nature* **298**, 167-169 (1982).
4. Dyrberg, T., Baekkeskov, S., and Lernmark, A. Specific pancreatic b-cell surface antigens recognized by a xenogenic antiserum. J. Cell Biol. **94**, 472-477 (1982).
5. Baekkeskov, S., and Lernmark, A. Glucose stimulates the biosynthesis of a human pancreatic islet cell protein, detected by an antiserum against the human erythrocyte glucose transporter. FEBS Letters **157**, 331-335 (1983).
6. Baekkeskov, S., Dyrberg, T. and Lernmark, A. Autoantibodies against an Mr 64K islet cell protein precede the onset of insulin-dependent diabetes in the BB-rat. *Science* **224**, 1348-1350 (1984).
7. Gerling, I., Baekkeskov, S. and Lernmark, A. Islet cell and 64K autoantibodies are associated with plasma IgG in newly diagnosed insulin-dependent diabetic children. *J. Immunol.* **137**, 3782-3785 (1986).