

**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
Takaai Sato	Research Associate

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 Osaka, Japan Medical School	Ph.D.	1990	Cancer Genetics
University of Hokkaido, Japan	B.A.	1982	Molecular Biology

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.

**PROFESSIONAL EXPERIENCE**

1982-1984 Researcher, Basic Research Labs., Central Research Labs., Ajinomoto Co., Inc., Japan  
 1984-1988 Research Fellow, Dept. of Molecular Genetics, Inst. of Molecular and Cellular Bio., Osaka Univ., Japan  
 1988-1989 Visiting Scientist, Center for Cancer Research, Massachusetts Institute of Technology, MA  
 1989-1992 Associate Scientific Staff, Dept. of Biochemistry, Cancer Institute, Tokyo, Japan  
 1992-present Research Associate, La Jolla Cancer Research Foundation, La Jolla, CA (lab of Dr. J.C. Reed)

**PUBLICATIONS**

Sato, T., et al, (1992). The human prohibitin gene located on chromosome 17q21 is mutated in sporadic breast cancer. *Cancer Res.*, **52**, 1643-1646.  
 Takita, K., Sato, T., et al, (1992). Correlation of loss of alleles on the short arms of chromosome 11 and 17 with metastasis of primary breast cancer. *Cancer Res.*, **52**, 3914-3917.  
 Sato, T., et al, (1991). Accumulation of genetic alterations and progression of primary breast cancer. *Cancer Res.*, **51**, 5794-5799.  
 Sato, T., et al, (1991). Allelotype of human ovarian cancer. *Cancer Res.*, **51**, 5118-5122.  
 Sato, T., et al, (1990). Allelotype of breast cancer: Cumulative allele losses promote tumor progression in primary breast cancer. *Cancer Res.*, **50**, 7184-7189.  
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 Sato, T., et al, (1989). The conformation of mature  $\alpha$ -amylase conditions its secretion from yeast. *Gene*, **83**, 355-365.  
 Izumoto, Y., Sato, T., et al, (1987). Expression of human pancreatic secretory trypsin inhibitor (PSTI) in *Saccharomyces cerevisiae*. *Gene*, **59**, 151-159.  
 Morinaga, Y., Takagi, H., Ishida, M., Miwa, K., Sato, T., et al, (1987). Threonine production by co-existence of cloned genes coding homoserine dehydrogenase and homoserine kinase in *Brevibacterium lactofermentum*. *Agric. Biol. Chem.*, **51**, 93-100.  
 Sato, T., et al, (1987). New approach of the high-level expression of human IL-2 cDNA in *E. coli*. *J. Biochem.*, **101**, 525-534.  
 Taniguchi, T., Fujita, T., Hatakeyama, M., Mori, H., Matsui, H., Sato, T., et al, (1986). Interleukin-2 and its receptor: structure and functional expression of the genes. *Cold Spring Harbor Symposia on Quantative Biology*, **LI**, 577-586.  
 Nakamura, Y., Sato, T., et al, (1986). Expression of human salivary  $\alpha$ -amylase gene in *Saccharomyces cerevisiae* and its secretion using the mammalian signal sequence. *Gene*, **50**, 239-245.  
 Sato, T., et al, (1986). Expression of the human salivary  $\alpha$ -amylase gene in yeast and characterization of the secreted protein. *Gene*, **50**, 247-257.