

## BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed on Form Page 2.  
Photocopy this page or follow this format for each person.

NAME <b>Alexander Aristarkhov, Ph.D.</b>	POSITION TITLE Instructor
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EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Moscow State University	B.A., M.A.	1979	Biochemistry
Russian Academy of Science A.N.Bakh Institute of Biochemistry	Ph.D.	1988	Biochemistry

**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, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. If the list of publications in the last three years exceeds two pages, select the most pertinent publications. **DO NOT EXCEED TWO PAGES.**

### Professional Experience

1988-1989 Postdoctoral Fellow, A.N.Bakh Institute of Biochemistry,  
Russian Academy of Sciences, Moscow, Russia

1989 Research Fellow, Institute of Experimental Botany,  
Czechoslovak Academy of Sciences, Czechoslovakia

1989-1990 Senior Research Fellow, A.N.Bakh Institute of Biochemistry,  
Russian Academy of Sciences, Moscow, Russia

1990 Visiting Scientist, Biotechnology Center, Northeastern University

1990-1993 Research Fellow, Harvard Medical School

1993-1995 Research Associate, Harvard Medical School

1995- Instructor, Harvard Medical School

### Selected Publications

1. Iuchi, S., A. Aristarkhov, J.M. Dong, J.S. Taylor, and E.C.C. Lin. 1994. Effects of nitrate respiration on expression of the Arc-controlled operons encoding succinate dehydrogenase and flavin-linked L-lactate dehydrogenase. **J. Bacteriology** 176:1695-1701.
2. Aristarkhov, A., A. Mikulskis, J.G. Belasco, and E.C.C. Lin. 1996. Translation of the *adhE* transcript to produce ethanol dehydrogenase requires RNase III cleavage in *Escherichia coli*. **J. Bacteriology** 178:4327-4332.
3. Aristarkhov, A., E. Eytan, A. Moghe, A. Admon, A. Hershko, and J.V. Ruderman. 1996. E2-C, a cyclin-selective ubiquitin carrier protein required for the destruction of mitotic cyclins. **Proc. Natl. Acad. Sci. USA**. 93: 4294-4299.
4. Townsley, F.M., A. Aristarkhov, B. Sharon, A. Hershko, and J.V. Ruderman. Dominant-negative mutation of UBCH10 - human homolog of E2C, arrests cells in mitosis. In preparation.