

## BIOGRAPHICAL SKETCH

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NAME Fangbing Liu	POSITION TITLE Instructor in Medicine		
eRA COMMONS USER NAME			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Nanchang University, China	BS		Biology
Zhejiang University, China	MS		Biochemistry/Virology
The University of Stuttgart, Germany	PhD		Biotechnology/ Immunology

### A. EXPERIENCE:

- 1986-1988 Researcher, Laboratory of Virology, Shanghai Institute of Biochemistry, Chinese Academy of Sciences, China
- 1988-1995 Researcher, Deputy Director of Laboratory, Institute of Virology, Zhejiang Academy of Medical Sciences, China
- 2000- 2004 Postdoctoral Fellow, Beth Israel Deaconess Medical Center, Harvard Medical School, Cambridge, MA
- 2004- Instructor in Medicine, Beth Israel Deaconess Medical Center, Harvard Medical School, Cambridge, MA

### B. PUBLICATIONS:

- Xu Z, Xie Y, **Liu F**, Zhu J. Improved ELISA for early diagnosis of Ig M against hepatitis A virus. Proceedings of Zhejiang Academy of Medical Sciences 1992;3(2):37-38. (In Chinese).
- Chai S, Xie Y, **Liu F**, et al. Studies on problems of live attenuated hepatitis A virus vaccine. Chinese Journal of Epidemiology 1994;15:25-27 (In Chinese).
- Dong L, **Liu F**, Mao H. Direct identification of pathogenic and nonpathogenic isolates of entamoeba histolytica by PCR. Proceedings of Zhejiang Academy of Medical Sciences 1995; 23,6(3);7-10 (In Chinese).
- Liu F**, Mao H. Perspective of molecular biology of hepatitis A virus. Proceedings of Zhejiang Academy of Medical Sciences 1995;6:40-42 (In Chinese).
- Mao J, **Liu F**. Problems of live attenuated hepatitis A virus in usage and research. Proceedings of Zhejiang Academy of Medical Sciences 1995;6:1-2 (In Chinese).
- Liu F**, Schubert J, Ambrosova S. Monoclonal antibodies against RNA-dependent RNA polymerase of potato Y potyvirus and their use in the detection of virus infection. Z. Pflanzenkr. Pflanzensch 1999;106:181-187.
- Liu F**, Sukhacheva L, Erokhina, T, Schubert J. Detection of potyviral nuclear inclusion b protein by monoclonal antibodies raised to synthetic peptides. Eur. J. Plant Pathology 1999;105:389-395.
- Liu F**, Schubert J, Rabenstein F. Generation and application of scFv in detection of potyviral proteins. Beitr. Züchtungsforsch 2000;6:81-86.
- Liu F**, Bergami PL, Duval M, Kuhrt D, Posner M, Cavacini L. Expression and functional activity of isotype and subclass switched human monoclonal antibody reactive with the base of the V3 loop of HIV-1 gp120. AIDS Research and Human Retroviruses 2003;19: 597-607.
- Liu F**, Kumar M, Ma Q, Duval M, Kuhrt D, Junghans R, Posner M, Cavacini L. Human single-chain antibodies inhibit replication of human immunodeficiency virus type 1 (HIV-1). AIDS Research and Human Retroviruses 2005; 21:876-81.

**C. Research Support.** List selected ongoing or completed (during the last three years) research projects (federal and non-federal support). Begin with the projects that are most relevant to the research proposed in this application. Briefly indicate the overall goals of the projects and responsibilities of principal investigator identified above.

**ONGOING**

None

**COMPLETED RESEARCH SUPPORT (LAST THREE YEARS)**

None