BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME	POSITION TITLE
Richard Yu, Ph.D.	Senior Research Fellow
eRA COMMONS USER NAME	

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
University of California, Berkeley	B.A.	1993	Molecular and Cell Biology
Yale University	Ph.D.	2000	Molecular Biophysics and Biochemistry

NOTE: The Biographical Sketch may not exceed four pages. Items A and B (together) may not exceed two of the four-page limit. Follow the formats and instructions on the attached sample.

A. Positions and Honors. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

Positions

1993 – 1995 Research Associate, Lawrence Berkeley Laboratories, Berkeley, CA

2000 – 2006 Research Fellow, The Molecular Sciences Institute, Berkeley, CA

2006 – present Senior Research Fellow, The Molecular Sciences Institute, Berkeley, CA

Other Experience and Professional Memberships

Teaching Experience

1999 Teaching Assistant, Molecular Foundations of Medicine
Yale University

1995 Teaching Assistant (lab section), Introduction to Biochemistry
Yale University

B. Selected peer-reviewed publications (in chronological order). Do not include publications submitted or in preparation.

1. **Yu, R.C.** and Head-Gordon, T. Neural-network design applied to protein secondary structure predictions. *Phys. Rev. E* 1995, 51:3619-3627.
2. Fleming, K.G., Hohl, T.M., **Yu, R.C.**, Muller, S.A., Wolpensinger, B., Engel, A., Engelhardt, H., Brunger, A.T., Sollner, T.H., and Hanson, P.I. A revised model for the oligomeric state of the *N*-ethylmaleimide-sensitive fusion protein. NSF. *J. Biol. Chem.* 1998, 273:15675-15681.
3. **Yu, R.C.**, Hanson, P.I., Jahn, R., and Brunger, A.T. Structure of the ATP-dependent oligomerization domain of *N*-ethylmaleimide sensitive factor complexed with ATP. *Nat. Struct. Biol.* 1998, 5:803-811.

4. **Yu, R.C.**, Jahn, R., and Brunger, A.T. NSF N-terminal domain crystal structure: models of NSF function. *Mol. Cell* 1999, 4:97-107.

5. Crivelli, S., Byrd, R., Eskow, E., Schnabe, R., **Yu, R.C**., Phillip, T.M., and Head-Gordon, T. A global optimization strategy for predicting alpha-helical protein tertiary structure. *Comput. Chem.* 2000, 24:489-97.

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 your role (e.g. PI, Co-Investigator, Consultant) in the research project. Do not list award amounts or percent effort in projects.

Ongoing Research Support

None

Completed Research Support

None