

**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	POSITION TITLE
Lorraine Symington	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
Sussex University, England	B.Sc.	1979	Biology
University of Glasgow, England	Ph.D.	1982	Genetics
Harvard Med. School, Boston, MA	Postdoc	1982-85	Biochemistry
University of Chicago, Chicago, IL	Postdoc	1985-88	Genetics

**RESEARCH AND/OR 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.

**Academic Appointments:**

7/95 - Associate Professor - Columbia University, New York  
8/88 - 6/95 Assistant Professor - Columbia University, New York  
4/85 - 7/88 Research Fellow - University of Chicago, Chicago, IL  
10/82 - 3/85 Research Fellow - Harvard Medical School, Boston, MA

**Teaching Responsibilities:**

Advanced Microbiology (6 lectures)  
Advanced Topics in Microbiology (4 discussion classes)  
Eukaryotic Molecular Biology (2 lectures)  
Prokaryotic Molecular Biology (4 lectures)

**Publications:**

Symington, L.S., Fogarty, L and Kolodner, R.D. (1983) Genetic recombination of homologous plasmids catalyzed by cell-free extracts of *S. cerevisiae*. *Cell* **35**, 805-813.  
Symington, L.S. and Kolodner, R.D. (1985) Partial purification of an enzyme from *S. cerevisiae* that cleaves Holliday junctions. *Proc. Natl. Acad. Sci. USA* **82**, 7247-7251.  
Symington, L.S., Morrison, P.T. and Kolodner, R.D. (1985) Plasmid recombination intermediates generated in a *S. cerevisiae* cell-free recombination system. *Mol. Cell Biol.* **5**, 2361-2368.  
Symington, L.S., Morrison, P.T. and Kolodner, R.D. (1985) Intramolecular recombination of linear DNA catalyzed by the *E. coli* rec E recombination system. *J. Mol. Biol.* **186**, 515-525.  
Symington, L.S. and Petes, T.D. (1988) Expansions and contractions of the genetic map relative to the physical map of yeast chromosome III. *Mol. Cell Biol.* **8**, 595-604.  
Symington, L.S. and Petes, T.D., (1988) Meiotic recombination within the centromere of a yeast chromosome. *Cell* **52**, 237-240.