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Principal Investigator/Program Director (*Last, first, middle*): GOODWIN, ELIZABETH, B.**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	DATE OF BIRTH	
Goodwin, Elizabeth B.	Assistant Professor	2/6/59	
<b>EDUCATION</b> ( <i>Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.</i> )			
INSTITUTION AND LOCATION	DEGREE	YEAR CONFERRED	FIELD OF STUDY
Smith College, Northampton, MA	B.A.	1982	BIOCHEMISTRY
Smith College, Northampton MA	M.A.	1983	BIOLOGY
Brandeis University, Waltham MA	PH.D.	1990	BIOLOGY

**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 committees. 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:**

- 1990-1993: Postdoctoral Fellow, Laboratory of Molecular Biology, University of Wisconsin, Madison, WI  
 1993-present: Assistant Professor, Dept of Cell, Molecular & Structural Biology, Northwestern University Medical School, Chicago IL

**Honors and Awards:**

- Blakeslee Fund Fellowship for Undergraduate Research at Smith College, 1981-1982  
 Research Fellowship for Graduate Study at Smith College, 1982-1983  
 Elected to Sigma Xi in 1982  
 James Mountain Fellowship, Physiology Course, Marine Biological Laboratory, 1985  
 Kensler Fellowship, Brandeis University, 1983-1987  
 NIH Postdoctoral Fellowship, 1990

**Bibliography (12 publications):**

- E.B. Goodwin, A.G. Szent-Gyorgyi and L.A. Leinwand (1987) Cloning and Characterization of the Scallop Essential and Regulatory Myosin Light Chain cDNAs. *J. Biol. Chem.* 262:11052-11056
- E.M. McNally, E.B. Goodwin, J. Spudich and L.A. Leinwand (1988) Co-expression and Assembly of Myosin Light Chain and Myosin Heavy Chain in *E. coli*. *Proc. Natl. Acad. Sci.* 85:7270-7273
- L.A. Leinwand, R. Sohn, S.A. Frankel, E.B. Goodwin and E.M. McNally (1988) Bacterial Expression of Eukaryotic Contractile Proteins. *Cell Motility and the Cytoskeleton* 14:3-11
- E.B. Goodwin, L.A. Leinwand and A.G. Szent-Gyorgyi (1990) Regulation of Scallop Myosin by Mutant Regulatory Light Chains. *J. Mol. Biol.* 216:85-93
- H. Kwon, E.B. Goodwin, L. Nyitray, E. Berlinger, E. O'Neill-Hennessy, F.D. Melandri and A.G. Szent-Gyorgyi (1990) Isolation of the Regulatory Domain of Scallop Myosin: Role of the Essential Light Chain in Calcium Binding. *Proc. Natl. Acad. Sci.* 87:4771-4775

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