

**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 Schneider, Barbara St. Pierre	POSITION TITLE Associate Professor of Nursing and Associate Dean for Research		
eRA COMMONS USER NAME bsschneider24			
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
LSUMC School of Nursing, New Orleans, LA	B.S.N.	1982	Nursing
University of Washington, Seattle, WA	M.S.	1986	Nursing
UCLA School of Nursing, Los Angeles, CA	D.N.Sc.	1993	Nursing
UCLA, Los Angeles, CA		1993-1994	Neuroimmunology
Pennsylvania State University, State College, PA		1995-1997	Muscle immunology

**A. Positions and Honors.****Positions and Employment**

1982 Staff Nurse, East Jefferson General Hospital, Metairie, LA  
 1982-1984 Staff Nurse, Southern Baptist Hospital, New Orleans, LA  
 1985-1986 Research Nurse, Fred Hutchinson Cancer Research Center, Seattle, WA  
 1986-1988 Instructor, LSUMC School of Nursing, New Orleans, LA  
 1997-2006 Assistant Professor, University of Wisconsin-Madison, Madison, WI  
 2006-present Associate Dean for Research/Associate Professor, UNLV School of Nursing, Las Vegas, NV  
 2008-present Associate Dean for Research/Adjunct Associate Professor, UNLV School of Allied Health Sciences, Las Vegas, NV

**Professional Memberships**

1982-present Member, Sigma Theta Tau International Nursing Honor Society  
 1983-2005; Member, Oncology Nursing Society  
 2007  
 1997-present Member, National Association of Orthopaedic Nurses  
 1997-2006 Member, Beta Eta-at-Large Chapter, Sigma Theta Tau International Nursing Honor Society  
 1998-2003 Member, Midwest Nursing Research Society  
 2003-present Member, American College of Sports Medicine  
 2006-present Member, Zeta Kappa Chapter, Sigma Theta Tau International Nursing Honor Society  
 2008 Member, Society for Leukocyte Biology

**Honors**

1982 Inducted into Sigma Theta Tau International Nursing Honor Society  
 1988 Sister Henrietta Guyot Research Award, Epsilon Nu of Sigma Theta Tau  
 2002 Louisiana State University Health Sciences Center School of Nursing Alumni Association, Alumnus of the Year

**B. Selected Peer-Reviewed Publications (in chronological order).**

1. St. Pierre B, Tidball J. Differential response of macrophage subpopulations to soleus muscle reloading after rat hindlimb suspension. *Journal of Applied Physiology* 1994a;77:290-297.
2. St. Pierre B, Tidball J. Macrophage activation and muscle remodeling at myotendinous junctions after modifications in muscle loading. *American Journal of Pathology* 1994b;145:1463-1471.

3. Tidball J, St. Pierre B. Apoptosis of macrophages during the resolution of muscle inflammation. *Journal of Leukocyte Biology* 1996;59;380-388.
4. Cannon J, St. Pierre B. Gender differences in host defense mechanisms. *Journal of Psychiatric Research* 1997;31;99-113.
5. Ding M, St. Pierre B, Parkinson J, Medberry P, Wong J, Rogers N, Ignarro L, Merrill J. Inducible nitric oxide synthase and nitric oxide production in human fetal astrocytes and microglia: A kinetic analysis. *Journal of Biological Chemistry* 1997;272;11327-11335.
6. Cannon J, St. Pierre B. Cytokines in exertion-induced skeletal muscle injury. *Molecular and Cellular Biochemistry* 1998;179;159-167.
7. Keller H, Schneider BS, Eppihimer L, Cannon J. Association of IGF-1 and IGF-II with myofiber regeneration in vivo. *Muscle & Nerve* 1999;22;347-354.
8. Schneider BS, Flaskerud J. Conducting biological research to advance rehabilitation nursing practice. *Rehabilitation Nursing* 1999;24;166-171.
9. Schneider BS, Correia L, Cannon J. Sex differences in leukocyte invasion in injured murine skeletal muscle. *Research in Nursing & Health* 1999;22;243-250.
10. Schneider BS, Sannes HJ. Consequences of skeletal muscle injury induced by unaccustomed exercise. *Orthopaedic Nursing* 2001;20;49-56.
11. Schneider BS, Brickson S, Corr DT, Best T. CD11b<sup>+</sup> neutrophils predominate over RAM11<sup>+</sup> macrophages in stretch-injured muscle. *Muscle & Nerve* 2002;25;837-844.
12. Maloni JA, Schneider BS. Inactivity: Symptoms associated with gastrocnemius muscle disuse during pregnancy. *AACN Clinical Issues: Advanced Practice in Acute and Critical Care* 2002;13;248-262.
13. Brickson S, Ji LL, Schell K, Olabisi R, Schneider BS, Best T. M1/70 attenuates blood-borne neutrophil oxidants, activation and myofiber damage following stretch injury. *Journal of Applied Physiology* 2003;95;969-976.
14. Schneider BS, Fine JP, Nadolski T, Tiidus PM. The effects of estradiol and progesterone on plantar flexor muscle fatigue in ovariectomized mice. *Biological Research for Nursing* 2004;5;265-275.
15. Baker W, Schneider BS, Kulkarni A, Sloan G, Schaub R, Sypek J, Cannon JG. P-selectin inhibition suppresses muscle regeneration following injury. *Journal of Leukocyte Biology* 2004;76;352-358.
16. Schneider BS, Fine JP, Tiidus PM. Indices of leukocyte infiltration and muscle recovery after eccentric contraction-induced injury in young and adult male mice. *Orthopaedic Nursing* 2005;24;399-405.
17. Schneider BS, Tiidus PM. Neutrophil infiltration in exercise-injured skeletal muscle: How do we resolve the controversy? *Sports Medicine* 2007;37;837-856.

### **C. Research Support.**

#### **Ongoing Research Support**

Schneider (PI) 7/01/07-06/30/09

University of Nevada Las Vegas

President's Research Award

The Role of Macrophages in Recovery from Muscle Injury

The overall goals of this project are to explore whether soluble factors released by muscle cells can induce macrophage maturation *in vitro* and determine whether muscle-activated macrophages stimulate muscle repair.

Role: PI

#### **Completed Research Support**

R01 NR005258 Schneider (PI) 9/01/01-06/30/05 (no-cost extension, 07/01/05-06/30/06)

NIH/NINR

Ovarian Hormone Effects on Muscle Injury and Recovery

The overall goal of this project was to determine the independent and interactional effects of estradiol and progesterone on: 1) susceptibility to develop eccentric contraction-induced injury, and 2) host defense (inflammatory) response to eccentric contraction-induced injury.

Role: PI