

# CURRICULUM VITAE

**William P. Bartlett, PhD, PT**

2/10/2006

## Education

PhD., 1982	Anatomy & Neurobiology	Albany Medical College
B.S., 1975	Physical Therapy	S.U.N.Y. at Stony Brook

## Professional Certification/Licensure:

New York State	(License number: 004574)
State of Texas	(License number: 1-8793)

## Employment:

1999 to present	School of Physical Therapy Texas Woman's University Houston, Texas	Professor
1993 to 1999	School of Physical Therapy Texas Woman's University Houston, Texas	Associate Professor
1993 - present	Winter & Associates Pediatric Rehabilitation 1404 Greenbriar, Houston TX	Physical Therapist
1986-1993	Dept. of Anatomy & Neurobiology M.S. Hershey Medical Center Pennsylvania State University	Assistant Professor
1983-1986	Wayne State University Detroit, Michigan Director: R.P. Skoff.	Postdoctoral Fellow Neurobiology
1982-1983	Medical College of Virginia Richmond, Virginia Director: Dr. George DeVries	Postdoctoral Fellow Neurochemistry
1975 - 1977	Holly Patterson Home for the Aged and Infirm Great Neck, New York	Staff Physical Therapist

## Dissertation

An electron microscopic analysis of axonal and dendritic development by dispersed hippocampal neurons in culture. April, 1982 and Dr. Gary Banker.

## TEACHING

### **Courses Taught at TWU**

#### SPRING

- PT 5015. Human Anatomy. (Course coordinator all lectures and lab).

#### SUMMER

- PT 5223. Cardiopulmonary Physical Therapy. (Course Coordinator, all lectures and lab).
- PT 4913. Anatomy Online. (Course Coordinator)

#### FALL

- PT 5024. Clinical Neuroscience. (Course Coordinator, all lectures and lab). Qualifications include advanced study and continuing education, PhD in Neuroscience.

### **Doctoral Dissertations**

“Kinematic and Kinetic Analysis of the Knee after Anterior Cruciate Ligament Reconstruction in Women”. (2006). committee member

Exercise and activity patterns in cancer patients after recent allogeneic bone marrow transplantation. (May, 2006). Chairman.

An item response theory analysis of the physical therapy manual for the assessment of clinical skills (PT MACS) and the Physical Therapist clinical performance instrument (CPUI). (May, 2006). committee member

### **Master’s Professional Papers**

Development of Clinical Learning Objectives for the Lumbar and Pelvis (2005) committee member

Effects of Upright Sitting in the Chair in Comparison with Full-Fowler Position in the Bed to Improve Arterial Oxygenation for Mechanically Ventilated Acute Respiratory Failure Patients. (2005) committee member

Correlation of the Ground Reaction Forces with Laxity in the Knee as Measured by the KT 1000 Arthrometer. (2005) committee member

Reliability of Video Motion Analysis for Measurement of Kinematic Variables During a Drop Jump. (2004) committee member

### **Other Scholarly Teaching, Mentoring and Curricular Achievements**

#### SCHOLARSHIP/CREATIVE ACHIEVEMENTS

Refereed Publications or Other Creative Achievement

*Journal Manuscripts:*

Ortiz A, Libby CL, Etnyre B, Bartlett W, Jackson E, Olson SL. "Effects of Fatigue on Lower Extremity Joint Stability of Young Women During Jumping Tasks." In preparation

Bartlett, W.P., Quillen, W.S., and Greer, R.G. Effect of gallium aluminum arsenide triple-diode laser irradiation on evoked motor and sensory action potentials of the median nerve. *Journal of Sports Rehabilitation*, pp. 13-20 11(1) 2001.

Bartlett, W.P., Quillen, W.S., and Gonzalez, JL. Effect of gallium aluminum arsenide triple-diode laser median nerve latency. *Journal of Sports Rehabilitation* 8(2) 1999.

Knapp, P.E., Bartlett, W.P., Williams, L.A., Yamada, M., Ikenaka, K., and Skoff, R.P.. Programmed cell death in the jimpy mouse can occur without DNA fragmentation: Survival is enhanced by cell lines transfected with proteolipid protein cDNA's.. *Cell Death and Differentiation*. 1998

Li, Xiao-su, M.A. Williams and Bartlett, W.P. Induction of IGF-1 mRNA following traumatic injury to the brain. *Molecular Brain Research*, 57: 92-96, 1998.

Morris, G.S., Melton, S., Hegsted, M. and Bartlett, W.P. Estrogen fails to modify the cardiac myosin isoenzyme profile of adult rats. *Hormone and Metabolic Research*, 30(2):84-87, 1998.

Bartlett WP, Li X-S, Williams M. Expression of IGF-1 mRNA in the murine subventricular zone during postnatal development. *Mol. Brain Res.*, 12:285-291, 1992.

Li X -S and Bartlett WP. Elevated expression of GFAP mRNA in the CNS of the dysmyelinating mutant jimpy. *Mol Brain Res*. 9:315-317, 1991.

Bartlett WP, Li X-S, and Connor JR. Expression of transferrin mRNA in the CNS of normal and jimpy mice. *J Neurochem* 57:318-322, 1991.

Bartlett WP, Li X-S, Williams M, and Benkovic S. Localization of insulin-like growth factor-1 mRNA in murine CNS postnatal development. *Dev Biol*. 147:239-250, 1991.

Bartlett WP and Skoff RP. Expression of the jimpy gene in the spinal cords of heterozygous female mice. II. Increased rates of oligodendroglial and endothelial cell proliferation. *Dev. Brain Res* 47:1-11, 1989.

Bartlett WP, Knapp PE, and Skoff. Glial conditioned medium restores expression of normal phenotype in jimpy oligodendroglia. *Glia* 1(4):253-260, 1988.

Best TT, Skoff RP, Bartlett WP. Astroglial plasticity in hemizygous and heterozygous jimpy mice. *Int. J. Devel. Neurosci.* 6(1):39-57, 1988.

Knapp PE, Bartlett WP, and Skoff RP. Cultured oligodendrocytes mimic *in vivo* phenotypic characteristics: Cell shape, expression of myelin-specific antigens and membrane production. *Developmental Biology* 120:356-365, 1987.

Bartlett WP and Skoff RP. Expression of the jimpy gene in the spinal cords of heterozygous female mice. I. An early myelin deficit followed by compensation. J. Neuroscience 6(10):2802-2812, 1986.

Bartlett WP and Banker GA. An electron microscopic study of the development of axons and dendrites by hippocampal neurons in culture. I. Cells which develop without intercellular contacts. J. Neuroscience 4(8):1944-1953, 1984.

Bartlett WP and Banker GA. An electron microscopic study of the development of axons and dendrites by hippocampal neurons in culture. II. Synaptic relationships. J. Neuroscience 4(8):1954-1965, 1984.

### ***Book contributions:***

Skoff RP, Knapp PE, and Bartlett WP. Structural organization of astrocytes in the optic nerve. In: Advances in Cellular Neurobiology, S. Fedoroff and A. Vernadakis, Eds., Academic Press, 1986.

### **Presentations at Professional Meetings:** (most recent)

Ortiz A, Libby CL, Bartlett WP, Etnyre B, Peterson E, Stout E, Crago R, Welch M, Olson SL. Fatigue effects on an up-down repetitive jump landing task in young women. Presented at ACSM, 2006

Ortiz A, Bartlett WP, Hironymous N, Lombardi P, Raiford E, Fontenot D, Trcka JL, Olson SL. Fatigue effects on lower extremity joint stability during a drop jump in young women. Presented at ACSM, 2006

Jeannette Lee; William Bartlett; Maureen Simmonds; Deborah Kendall; Margarette Shelton "Assessing the outcomes of an exercise intervention following recent allogeneic bone marrow transplantation using actigraphy and physical performance tests: a case series". Presented at APTA Combined Sections Meeting CSM 2005 in New Orleans, LA.

Jeannette Lee; William Bartlett; Maureen Simmonds; Deborah Kendall; Margarette Shelton. "Assessing the outcomes of an exercise intervention following recent allogeneic bone marrow transplantation using actigraphy and physical performance tests: a case series." Presented at APTA Combined Sections Meeting CSM 2006 in San Diego, CA.

William P. Bartlett, Alexis Ortiz, Sharon Olson "EMG Analysis of Fatigue Effects in Target Muscles in Women During Jump Tests". To be presented at the World Congress for Physical Therapy 2007, Vancouver, Canada.

### **Honors, Grants, and Fellowships**

National Multiple Sclerosis Society Research Grant; Grant #RG 191-A1; "Regulation of Oligodendroglial Development"; Principal Investigator; 4/1/88-9/30/90.

American Cancer Society; Institutional Research Grant; "Expression of the Transferrin Receptor by Transformed Glial Cell Lines"; Co-Investigator; 1988-1990.

Supervisor of a March of Dimes Birth Defect Foundation Summer Research Program, 1990 and 1991.

National Multiple Sclerosis Society Research Grant; "The Role of IGF-1 in the Regulation of Gliogenesis"; Principal Investigator, 30% effort; 4/1/91-3/31/94; \$223,056 direct costs.

PHS R01 AG09063; National Institutes of Health; "Ferritin and Transferrin in CNS Aging and Disease", Co-Investigator, 10%; 5/01/90-4/30/93.

PHS R01 NS22671; National Institutes of Health; "Transferrin in the Nervous System"; Co-Investigator, 10% effort; 9/1/87-12/31/92.

National Institute of Advanced Rehabilitation Research Training in Physical Therapy. Co-investigator, submitted 9/97, not funded.

National Institute of Advanced Rehabilitation Research Training in Physical Therapy. Co-investigator, submitted 9/98, not funded.

The Woman's Fund for HER. "How does a chronic estrogen deficiency caused by an ovariectomy affect the metabolic and contractile properties of adult skeletal muscle?" 11/97. Amount Requested: \$5138.00. Not funded.

## **PROFESSIONAL SERVICE**

### **Current service Activities for the University, College, Component**

#### **University committees:**

University Promotion and Tenure Committee, member.

#### **School of Physical Therapy Service:**

Post Professional Curriculum Committee, chairman.

Coordinator of Post Professional Studies, 2002 to present.

#### **Houston Center service:**

Animal Utilization Committee, 1996 to present, member.

### **Memberships in Professional Societies**

American Physical Therapy Association: Section Membership: Neurology and Education

8/22/05