

**BIOGRAPHICAL SKETCH**

Provide the following information for the Senior/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 D. David Ebaugh	POSITION TITLE Associate Clinical Professor
eRA COMMONS USER NAME (credential, e.g., agency login)	

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Temple University, Philadelphia, PA	BS	05/89	Physical Therapy
MCP Hahnemann University, Philadelphia, PA	MS	05/96	Orthopaedic Physical Therapy
Drexel University, Philadelphia, PA	PhD	12/04	Rehabilitation Sciences

**A. Personal Statement**

The goal of my research is to better understand underlying mechanisms that contribute to the development of symptomatic rotator cuff disease. This knowledge should lead to improvements in examination procedures as well as intervention and prevention strategies.

**B. Positions and Honors**

**Positions and Employment**

- 1989-1990 Physical Therapist, Thomas Jefferson Hospital, Philadelphia, PA
- 1990-1992 Physical Therapist, Center For Rehabilitation and Fitness, Richboro, PA
- 1992-1994 Physical Therapist, Abington Sports Medicine, Abington, PA
- 1994-1996 Physical Therapist, US Regional Occupational & Sports Medicine, Huntingdon Valley, PA
- 1996-2002 Assistant Professor, MCP Hahnemann University, Department of Physical Therapy, Philadelphia, PA
- 2002-2008 Clinical Assistant Professor, Drexel University, Department of Physical Therapy and Rehabilitation Sciences, Philadelphia, PA
- 2008-2012 Assistant Professor, Drexel University, Department of Physical Therapy and Rehabilitation Sciences, Philadelphia, PA
- 2012 - Associate Clinical Professor, Drexel University, Health Sciences Department, Physical Therapy and Rehabilitation Sciences Department, Philadelphia, PA
- 2013 - Director, Human Anatomy Laboratory, College of Nursing and Health Professions, Drexel University, Philadelphia, PA

**Other Experience and Professional Memberships**

- 1987- Member, American Physical Therapy Association
- 1992- Member, American Physical Therapy Association, Orthopaedic Section
- 1992- Member, American Physical Therapy Association, Research Section
- 2010- Member, American Physical Therapy Association, Oncology Section
- 2009- Member, American Society of Biomechanics
- 2009- Member, International Society of Biomechanics, International Shoulder Group
- 2003- Manuscript reviewer *Journal of Orthopaedic and Sports Physical Therapy*
- 2004- Manuscript reviewer *Physiotherapy Theory and Practice*
- 2006- Manuscript reviewer *Physical Therapy*
- 2008- Manuscript reviewer *Journal of Hand Therapy*
- 2009- International Editorial Review Board Member *Journal of Orthopaedic and Sports Physical Therapy*

- 2001-11 Member, American Society of Shoulder and Elbow Therapists  
2008-10 Member, American Physical Therapy Association, Research Committee, Orthopaedic Section  
2005-08 Research Chair, American Society of Shoulder and Elbow Therapists

### Honors

- 2001 Pennsylvania Physical Therapy Research Award – Development of a Model to Classify Scapular Motion: A Pilot Study  
2007 Best Basic Science Paper Award: *Defining the functional range of motion of the shoulder*. 10<sup>th</sup> International Congress of Shoulder and Elbow Surgery meeting, Brazil.

### **C. Selected Peer-reviewed Publications**

1. **Ebaugh, DD**, McClure, PW, Karduna, AR. Effects of shoulder girdle muscle activity on three-dimensional scapulothoracic motion, *Clinical Biomechanics*, 20, 700-709, 2005.
2. **Ebaugh, DD**, McClure, PW, Karduna AR. Effects of shoulder muscle fatigue caused by repetitive overhead activities on scapulothoracic and glenohumeral kinematics. *Journal of Electromyography and Kinesiology*, 16, 224-235, 2006.
3. **Ebaugh, DD**, McClure, PW, Karduna AR. Effects of shoulder muscle fatigue caused by repetitive external rotation activities on scapulothoracic and glenohumeral kinematics. *Journal of Orthopedics and Sports Physical Therapy*, 36, 8:557-571, 2006.
4. **Ebaugh, DD**, Spinelli, BA. Scapulothoracic motion and muscle activity during the raising and lowering phases of an overhead reaching task. *Journal of Electromyography and Kinesiology*, 20, 199-205, 2010.
5. Fleming, J, Seitz, A, **Ebaugh, D**. Exercise Protocol for the Treatment of Rotator Cuff Impingement Syndrome: Results of a Systematic Literature Review and Integration into Practice. *Journal of Athletic Training*, 45(5): 483-485, 2010.
6. Gard, K, **Ebaugh, D**. Case report. The use of acetic acid iontophoresis in the management of a soft tissue injury. *North American Journal of Sports Physical Therapy*, 5(4): 220-226, 2010.
7. **Ebaugh, D.**, Spinelli, B, Schmitz, K.H. Shoulder impairments and their association with rotator cuff disease in breast cancer survivors. *Medical Hypotheses*, 77(4):481-7, 2011.
8. Namdari, S, Gyagnik, G, **Ebaugh, D**, Nagda, S, Ramsey, M, Williams, G, Mehta, S. Defining functional shoulder range of motion for activities of daily living. *Journal of Shoulder and Elbow Surgery*, 21(9): 1177-83, 2012.

### **D. Research Support**

Clinical Research Grant Program 6/2011 – 5/2014

Orthopaedic Section, American Physical Therapy Association

*Validity of Clinical Assessment of Resting Scapular Alignment and Scapulothoracic Movement Patterns.*

The goals of this research project are to: 1) determine the ability of clinical assessments of resting scapular alignment and scapulohumeral movement patterns to identify individuals with shoulder pain and dysfunction, 2) establish the relationship between clinical assessments of resting scapular alignment and scapulohumeral movement patterns, and 3) use instrumented scapulohumeral kinematic data to expand the current understanding of the coordination and control of scapulohumeral movement.

Role: PI

Clinical Research Grant Program 8/2012 – 7/2014

Oncology Section, American Physical Therapy Association.

*The Effect of Breast Cancer Treatment on Shoulder Complex Motion and Coordination.*

The objective of the proposed research is to determine the effect that breast cancer surgery and radiation treatment has on shoulder complex motion, coordination, and select musculoskeletal structures.

Role: PI

Program Director/Principal Investigator (Last, First, Middle): Ebaugh, D., David

Sports Legacy Grant

3/2013 – 2/2015

*Relationship between Core Stability and Shoulder Injuries in Athletes.*

The specific aims of this study are to: 1) determine the strength of the association between clinical and lab-based measures of core stability in the athletic population and 2) identify the clinical and lab-based measures of core stability that are significant predictors of shoulder injuries in athletes.

Role: CO-PI with Marisa Pontillo, Sheri P. Silfies