CURRICULUM VITAE

**Name**: Anthony (Tony) Manning Boucher

**Rank/Profile:** Clinical Associate Professor and Coordinator of Clinical Education

Master of Science in Athletic Training Education Program – Texas A&M University

**Department:** Health & Kinesiology – College of Education & Human Development

**DEGREES IN HIGHER EDUCATION:**

**Doctor of Philosophy** - Physical Therapy. Texas Woman’s University-School of Physical Therapy, 2008.

**Certification/licensure** - Athletic Training. Southern Methodist University, 2000.

## **Master of Physical Therapy** - Physical Therapy. University of Texas Medical Branch at Galveston,1996.

**Bachelor of Science** - Health Care Sciences. University of Texas Medical Branch at Galveston, 1994.

**Bachelor of Science** - Zoology, Texas Tech University. Lubbock, TX, 1993.

**PROFESSIONAL EXPERIENCE:**

**Academic Employment:**

**Texas A&M University, 8/2014-present**

-Clinical Associate Professor of Health & Kinesiology: Master of Science in Athletic Training

-Coordinator of Clinical Education: Master of Science in Athletic Training Education Program

**Texas A&M University, 7/2012-9/2014**

-Clinical Assistant Professor of Health & Kinesiology: Master of Science in Athletic Training

-Coordinator of Clinical Education: Master of Science in Athletic Training Education Program

**Baylor University, 5/2011-7/2012**

-Assistant Professor of Department of Health, Human Performance, and Recreation: Graduate and

 Undergraduate Athletic Training Education Programs

-Director of Graduate Athletic Training Education Program

-Director of Athletic Training and Human Anatomy Laboratory

**Baylor University, 8/2008-5/2011**

-Assistant Professor of Department of Health, Human Performance, and Recreation: Graduate and

 Undergraduate Athletic Training Education Programs

-Clinical Coordinator of Athletic Training Education Program

**Non-Academic Employment:**

**Hillcrest Baptist Sports Medicine Physical Therapy**

Physical Therapist – Waco, Texas; 12/2012-1/2013; 3/2012-6/2012; 5/2011-7/2011; 5/2010-7/2010

**Select Medical Physical Therapy**

Physical Therapist – Waco, Texas; 3/2012-6/2012

**Rehab Management Physical Therapy**

Center Manager, Physical Therapist **-** Rockwall & Mesquite, Texas; 1/2008-8/2008

**Sports Med City Centre Physical Therapy**

Center Manager, Physical Therapist, Athletic Trainer - Dallas, Texas; 2005-2008

### **Baylor Sportscare**

### Contract Athletic Trainer- Dallas, Texas; 2000-2004

**Rehab Management Physical Therapy**

### Director of Physical Therapy, Athletic Trainer, Sports medicine outreach coordinator- Rockwall, Texas; 2001-2005

### **Southern Methodist University, Intercollegiate Athletic Department**

### Assistant Athletic Trainer, Physical Therapist, Rehabilitation Coordinator - Dallas, Texas; 2000-2001

### **Positive Pain Management**

### Director of Physical Therapy - Dallas, Texas; 1999-2000

**Rehab Management**

Director of Physical Therapy - Rowlett, Texas; 1998-1999

**HealthSouth Sports Medicine & Rehabilitation Center**

Site Coordinator, Physical Therapist, Clinical Instructor - Kingwood, Texas; 1996-1998

**HealthSouth Sports Medicine & Rehabilitation Center,**

Site Coordinator, Physical Therapist - Humble, Texas; 1996

**United States Representative Bill Sarpilius and United States Representative Larry Combest**

LBJ Congressional Intern – Washington DC; 1989

**GRADUATE AND UNDERGRADUATE TEACHING**

**Graduate Courses Taught:**

***Texas A&M University***

Instructor of record for ATTR 662: Clinical Examination and Diagnosis-Lower Extremity

Instructor of record for ATTR 663: Clinical Examination and Diagnosis-Lower Extremity Lab

Instructor of record for ATTR 666: Physical Rehabilitation

Instructor of record for ATTR 667: Physical Rehabilitation Laboratory

Instructor of record for ATTR 654: Clinical Education IV

Course supervisor for ATTR 656: Clinical Education V

Instructor of record for ATTR 656: Clinical Education VI

Instructor of record for ATTR 671: Organization and Administration in Athletic Training

Instructor of record for ATTR 685: Directed Studies

***Baylor University***

Instructor of record for HP 5360: Differential Diagnosis & Therapeutic Interventions of the Lower

Extremities and Spine

Instructor of record for HP 5V70: Research Project in Athletic Training

Instructor of record for HP 5V70: Special Problems in Health, Human Performance, and Recreation

(Doctoral student independent study) - Applied clinical biomechanics course creation

Independent Study Advisor: HP 5V70 - Internship in Athletic Training

Instructor of record for HP 5V75: Seminar in Athletic Training

Instructor of record for HP 5V99: Thesis

Instructor of record for ENH 6346: Orthopedic Rehabilitation (Doctoral student independent study) –

Reliability of M-Mode Ultrasound Measurements of Quadriceps Femoris Contractile Time Research study

**Undergraduate Courses Taught:**

***Texas A&M University***

Instructor of record for ATTR 285: Directed Studies – Problems in Athletic Training

Instructor of record for ATTR 485: Directed Studies – Problems in Athletic Training

***Baylor University***

Instructor of record for HP 1124: Beginning Bowling

Independent Study Supervisor for HP 1310: Sports Emergency Care

Instructor of record for HP 2340: Injury Assessment of the Lower Extremity

Instructor of record for HP 2140: Injury Assessment of the Lower Extremity Laboratory

Instructor of record for HP 3341: Therapeutic Exercise

Instructor of record for HP 3141: Therapeutic Exercise Laboratory

Instructor of record for HP 4V79: Internship in Human Performance (Pre-Med, Pre-Physical Therapy,

Pre-Dentistry)

Instructor of record for HED 4V80: Professional Internship in Health (Pre-Med, Pre-Physical Therapy,

Pre-Dentistry)

**Invited Guest Lecturer**

***Texas A&M University***

Medical Gross Anatomy, Clinical Correlation-Texas A&M School of Medicine: *Common Orthopedic*

*Injuries of the Lower Extremity* – 10/15/18

Medical Gross Anatomy, Clinical Correlation-Texas A&M School of Medicine: *Common Orthopedic*

*Injuries of the Lower Extremity* – 11/1/17

Medical Gross Anatomy-Texas A&M School of Medicine: *Common Orthopedic Injuries of the Lower*

*Extremity* – 10/25/16

Health Education/Physical Activities & Education Program: Department lecture: *Joints and aging* –

3/1/13

Exercise Physiology Major Club: *Career and professional development* - 10/29/12

Department of Health and Kinesiology; Exercise Physiology seminar series: *Evidence-based practice and*

*current practice in sports medicine* – 10/17/12

***Baylor University***

HP 3343: Management in Athletic Training:  *Insurance and reimbursement*

HP 3342: Therapeutic Modalities: *Therapeutic Ultrasound, Traction*

HP 4310: Clinical Education V: *Joint mobilization and Manual Therapy*

**Invited Guest Laboratory Assistant**

***Baylor University***

HP 2140: Orthopedic Assessment of the Lower ExtremityLaboratory: *Examiner for practical*

*examinations*

HP 2142: Orthopedic Assessment of the Upper ExtremityLaboratory: *Examiner for practical*

*examinations*

HP 3142: Therapeutic Modalities Laboratory: *Tissue temperature change of therapeutic modalities*

HP 3342: Therapeutic Modalities Laboratory: *Examiner for practical examinations*

HP 4367: Advanced Athletic Training: *Examiner for practical examinations*

**Teaching and Curriculum Development**

***Texas A&M University***

Texas A&M Center for Teaching Excellence

Communicating Effectively in the Classroom and Beyond 9/11/19

Teaching With and Managing Interactive Methods 9/18/19

Learning Outcomes and Course Design Cycle, spring 2018

Texas A&M GPS workshop: Academic professional track promotion education 5/15/19

Commission on the Accreditation of Athletic Training Education Programs (CAATE): Program and

curriculum development - CAATE initial and re- accreditation for Master of Science in Athletic Training:

New clinical education program affiliations developed: Master of Science in Athletic Training

-Navasota High School

-Texas A&M Dance Science Program

-Texas A&M Residency Clinic (CHI/ST. Joeseph): General Medical/Primary Care

-Texas A&M Corps of Cadets (CHI/ST. Joeseph)/Rehabilitation

-St. Joseph Medical Center: Emergency Services

 -College Station high school: Secondary school setting

 -Central Texas Sports Medicine and Orthopedics: General medical

 -Texas A&M athletic rehabilitation services: Rehabilitation

Faculty Advisor: Master of Science in Athletic Training

Flipping your course – Information Technology Services, 4/8-4/12/13

Lecture well seminar –Dean of Faculties, 9/27/12

Effective Review of Teaching - Center for teaching excellence, 11/11/12

Mock interviews – Master of Science in Athletic Training

***Baylor University***

Summer Faculty Institute 2012

Graduate Athletic Training Assistantships (external grant) - Axtell ISD, Crawford ISD, Bruceville-Eddy

ISD, West ISD (Funded 8/1/2011-5/31/12).Principal Investigator. **Funded: $50,600**

Summer teaching/research sabbatical leave awarded with Southwest Sports Medicine and

Orthopedics/Baylor University physician group (Summer 2011) -Proposed research project: The effectiveness of platelet rich plasma injection on tendon thickness, angiogenesis, functional outcomes, and pain in tendinopathy: Finalize the pilot design, research design and procedures, begin subject recuitment, and intiate preliminary data collection.

New clinical education program affiliations developed: Master of Education with emphasis in Athletic

Training

-Hillcrest Baptist Medical Center: Rehabilitation

 -Baylor University Health services/Physical Therapy: Rehabilitation

-Axtell high school: Secondary school setting

Faculty Advisor: Master of Education with emphasis in Athletic Training

Approved Clinical Instructor/Clinical Instructor Workshop, Aug 2011

Office of the Vice Provost for Research Proposal Development Workshop, January 2011

Commission on the Accreditation of Athletic Training Education Programs (CAATE): Accreditation

Committee for program and curriculum development; CAATE re-accreditation awarded 8/2010, Self-study for CAATE accreditation 2009

Approved Clinical Instructor/Clinical Instructor Workshop, Aug 2010

The seven habits of highly effective people, Fall 2009

Refworks training, September 2009

Approved Clinical Instructor/Clinical Instructor Workshop, Aug 2009

Clinical Instructors Educator seminar CEU course, National Athletic Trainer Association annual

conference, June 2009

Blackboard training, March 2009

**Professional Development and Continuing Education**: Teaching professional development and continuing education requirements to maintain professional licensures & certification

Master Preceptor Level I - National Athletic Trainer’s Association, Nov 2020

Human Trafficking - SOAR to Health and Wellness, Oct 2020

National Athletic Trainer’s Association annual conference (virtual), June 2020

National Athletic Trainer’s Association annual conference, June 2019

Athletic Trainer’s Educators Conference, February 2019

National Athletic Trainer’s Association annual conference, June 2018

National Athletic Trainer’s Association annual conference, June 2017

Athletic Trainer’s Educators Conference, February 2017

National Athletic Trainer’s Association annual conference, June 2016

Commission on the Accreditation of Athletic Training Education-Site visit training, June 2016

Orthopedic Physical Assessment CEU course, June 2016

Ethics - Texas Physical Therapy CEU course, June 2016

National Athletic Trainer’s Association annual conference, June 2015

Athletic Trainer’s Educators Conference, January 2015

National Athletic Trainer’s Association annual conference, June 2014

National Athletic Trainer’s Association annual conference, June 2013

Graston® Technique instrument assisted technique seminar, June 2011

National Athletic Trainer’s Association annual conference, June 2011

Management of upper & lower extremity overuse injuries CEU course, October 2010

Texas Physical Therapy Association annual conference, October 2010

Ethics - Texas Physical Therapy CEU course, July 2010

National Athletic Trainer’s Association annual conference, June 2009

Clinical Instructors Educator seminar CEU course, NATA annual conference, June 2009

Introduction to diagnostic musculoskeletal ultrasound CEU course, June 2009

American Physical Therapy Association – Combined section Meeting, February 2009

Differential diagnosis and treatment of mechanical hip pain CEU course, October 2008

Texas Physical Therapy Association annual conference, October 2008

Approved Clinical Instructor/Clinical Instructor Workshop, August 2008

Ethical decision-making in physical therapy CEU course, May 2008

Research day-Texas Woman’s University, April 2008

Ethical decision-making in physical therapy CEU course, July 2006

Texas Physical Therapy Association annual conference, October 2005

Current concepts in arthroplasty CEU course, May 2005

Research day-Texas Woman’s University: April 2005

American Physical Therapy Association – Combined section Meeting, February 2005

Lower quadrant mobilization CEU course, June 2004

Medical Ethics, HIPPA, and privacy CEU course, December 2003

Impairment ratings CEU course, October 2003

Functional capacity Evaluations CEU course, June 2002

Sports medicine Symposium CEU course, January 2002

Aquatic rehabilitation CEU course, April 2001

A comprehensive exploration of and therapy CEU course, February 2000

National Athletic Trainer’s Association annual conference, June 2000

Soft tissue mobilization/myofascial release CEU course, May 1999

ACL reconstruction symposium CEU course, April 1999

HealthSouth CEU courses: WorkStart/Hardening, October 1996; HealthSouth Spine I,

October 1996; HealthSouth Spine II, December 1996; HealthSouth Spine III, January 1997; HealthSouth Golf I, May 1997; HealthSouth Knee I, October 1997; HealthSouth Knee II, February 1998; HealthSouth Knee III, April 1998

Advanced ergonomic specialist/test administration training CEU course, November 1996

Ethical decision-making in physical therapy CEU course, August 2004

Knee & shoulder update CEU course, September 1996

**Graduate Dissertations, Theses, and Research Projects**

***Texas A&M University***

Bae, Dam. Neck Flexor Strength and Concussion Incidence in Collegiate Football Players (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Barrera, Katelyn. Measuring shoulder strength in archers: A bilateral comparison of the bow arm and draw arm (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Beasley, James. Assessing Eccentric Hamstring Strength in Correlation to Hamstring Injury Rates in Division 1 Football Athletes (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Blazek, Alexandra. Measuring shoulder strength in archers: A bilateral comparison of the bow arm and draw arm (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Bradley, Erin. The Effect of Range of Motion and Functional Ability on Injury Incidence in Collegiate Equestrian Athletes (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Brown, Colby. Scapular Protraction Measurements and Fatigue in Collegiate Baseball Players (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Glass, Devan. Neck Flexor Strength and Concussion Incidence in Collegiate Football Players (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Guzman (Kozlowski), Rebecca. Injury incidence in Corp of Cadets (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Jaye, Elliott. Injury incidence in Corp of Cadets (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Kraus-Saravia, Ali. The Effects of Static Cupping and Active Cupping on Dorsiflexion Deficits in the Gastrocnemius-Soleus Complex (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Langerud, Gabrielle. Assessing Eccentric Hamstring Strength in Correlation to Hamstring Injury Rates in Division 1 Football Athletes (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Rimmer, Micah. Scapular Protraction Measurements and Fatigue in Collegiate Baseball Players (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Takada, Kohei. The Effects of Static Cupping and Active Cupping on Dorsiflexion Deficits in the Gastrocnemius-Soleus Complex (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Themel, Emma. The Effect of Range of Motion and Functional Ability on Injury Incidence in Collegiate Equestrian Athletes (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Tolley, Sarah. Injury incidence in Corp of Cadets (2020-present). Co-Chair-Master of Science Non-thesis Research Committee.

Berman, Taylor. Concussion Incidence using Sensory Data in Division I Collegiate Football Helmets (2020). Co-Chair-Master of Science Non-thesis Research Committee.

Felix, Larry. The Correlation Between Hand Grip Strength, Hand Size, Pitch Type, and Pitch Spin Rate to Establish a Predictive Measure for Muscle Fatigue in Division 1 Collegiate Baseball Pitchers (2020). Co-Chair-Master of Science Non-thesis Research Committee.

Hoelscher, Karl. The Correlation Between Hand Grip Strength, Hand Size, Pitch Type, and Pitch Spin Rate to Establish a Predictive Measure for Muscle Fatigue in Division 1 Collegiate Baseball Pitchers (2020). Co-Chair-Master of Science Non-thesis Research Committee.

Hunt, Larry. The Correlation Between Hand Grip Strength, Hand Size, Pitch Type, and Pitch Spin Rate to Establish a Predictive Measure for Muscle Fatigue in Division 1 Collegiate Baseball Pitchers (2020). Co-Chair-Master of Science Non-thesis Research Committee.

Gurrola, Manuel. Concussion Incidence using Sensory Data in Division I Collegiate Football Helmets (2020). Co-Chair-Master of Science Non-thesis Research Committee.

Kinder, Sydney. Effect of dynamic stretching and a muscle energy technique on hip abduction range of motion in active participants (2020). Co-Chair-Master of Science Non-thesis Research Committee.

Olson, Kayleigh. Athlete-Coach RPE discrepancies and athletic injuries in collegiate women’s volleyball (2020). Co-Chair-Master of Science Non-thesis Research Committee.

Presburger, Yosef. Athlete-Coach RPE discrepancies and athletic injuries in collegiate women’s volleyball (2020). Co-Chair-Master of Science Non-thesis Research Committee.

Stoltz, Hannah. Effect of dynamic stretching and a muscle energy technique on hip abduction range of motion in active participants (2020). Co-Chair-Master of Science Non-thesis Research Committee.

Adams, Alexandra. The Acute Effects of Instrument-Assisted vibration and static stretching on Flexibility and Range of Motion of the Hamstring Muscles (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Aguirre, Michelle. Effects of ischemic compression compared to dry cupping on myofascial trigger points in the triceps surae (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Bell, Janae. Survey of Standards and Procedures in Concussion Assessment (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Ellis, Gwyndolyn. Interprofessional education between athletic training and nurse practitioner students: A pilot study (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Gehring, Cheyenne. Survey of Standards and Procedures in Concussion Assessment (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Haren, Lydia. The Validity of Instrumented Nordic Lower Device for Assessment of Eccentric Hamstring Strength (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Higgins, Kourtney. A comparison of seated and standing balance scores in Division I equestrian athletes (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Holtkamp, Brianna. The Effects of Playing Surface on Elite Volleyball Players Vertical Jump Height, Number, and Associated Injuries (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Jake Jelmini. Acute and longitudinal effects of pitching on passive range of motion in Division I athletes (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Kimbrough, Jasmine. The Validity of Instrumented Nordic Lower Device for Assessment of Eccentric Hamstring Strength (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Masrin, Jessica. The Effects of Playing Surface on Elite Volleyball Players Vertical Jump Height, Number, and Associated Injuries (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Mozze, Keyerra. The Acute Effects of Instrument-Assisted vibration and static stretching on Flexibility and Range of Motion of the Hamstring Muscles (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Navarro, Cristina. Effects of ischemic compression compared to dry cupping on myofascial trigger points in the triceps surae (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Price, Michael. Acute and longitudinal effects of pitching on passive range of motion in Division I athletes (2019). Co-Chair-Master of Science Non-thesis Research Committee.

White, Megan. A comparison of seated and standing balance scores in Division I equestrian athletes (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Wooten, Taylor. Interprofessional education between athletic training and nurse practitioner students: A pilot study (2019). Co-Chair-Master of Science Non-thesis Research Committee.

Alexander, Tori. Y-Balance Test Measures and Predictors of Lower Extremity Injuries in D-1 Collegiate Football Players (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Barrad, Sonia. Validation of FITLIGHT Trainer for use in concussion evaluation (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Carter, Kaitlyn. Perceived Value of Athletic Training by Collegiate Athletes (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Clerkley, Kevin. Perceived Value of Athletic Training by Collegiate Athletes (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Dickinson, Alexandra. Interrater and intrarater reliability of the Punch test and the relationship between the measurement of scapular protraction and shoulder AROM measurements in overhead athletes (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Klemko, Cross. Validation of FITLIGHT Trainer for use in concussion evaluation (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Muhammad, Anisa. Efficacy of antiperspirant spray and pre-wrap on taped ankle range of motion before and after exercise. (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Overmyer, Christopher. Efficacy of antiperspirant spray and pre-wrap on taped ankle range of motion before and after exercise. (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Simpson, Ethan. An analysis of the relationship between g-force of impact, rate of head rotation, and the location of impact on the outcome of concussive injury in division I collegiate football players (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Spradlin, Tonya. Interrater and intrarater reliability of the Punch test and the relationship between the measurement of scapular protraction and shoulder AROM measurements in overhead athletes (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Stembridge, Cole. Effects of different time parameters on the efficacy of cupping therapy for myofascial pain (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Sussman, Rachel. Y-Balance Test Measures and Predictors of Lower Extremity Injuries in D-1 Collegiate Football Players (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Trevino, Kelly. Effects of different time parameters on the efficacy of cupping therapy for myofascial pain (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Whitt, Stephen. An analysis of the relationship between g-force of impact, rate of head rotation, and the location of impact on the outcome of concussive injury in division I collegiate football players (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Willhelm-Glab, Kendall. Efficacy of antiperspirant spray and pre-wrap on taped ankle range of motion before and after exercise. (2018). Co-Chair-Master of Science Non-thesis Research Committee.

Cooper, Theavis. Urine dehydration markers in college athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Dekanick, Amanda. Depression survey changes in college athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Gandy,Greg. Urine dehydration markers in college athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Guerra, Alyssa. The effects of whole body vibration (WBV) on flexibility, power and balance in
collegiate athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Hearne, Rachael. Calculating Risk of Depression Based on Demographics, Medical History, and
Sport Specific Factors in Division I Athletes. (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Karp, Aaron. Calculating Risk of Depression Based on Demographics, Medical History, and
Sport Specific Factors in Division I Athletes. (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Lindquist, Kelsey. Effects of ice massage versus CryoRoller on skin surface temperature and myofascial trigger points in the gastrocnemius muscle. (2017). Co-Chair-Master of Science Non-thesis Research Committee.

McConnell, Leanne. Acute effects of instrument assisted soft tissue mobilization, foam rolling, and
static stretching on hamstring and quadriceps flexibility (2017). Co-Chair-Master of Science Non-thesis Research Committee.

McFarland, Ashliegh. Effects of the Deep Muscle Stimulator on myofascial trigger points in the upper back and neck regions. (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Mullinix, Justin. Acute effects of instrument assisted soft tissue mobilization, foam rolling, and
static stretching on hamstring and quadriceps flexibility (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Patke, Michael. The effects of whole body vibration (WBV) on flexibility, power and balance in
collegiate athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Thomas, Syndney. Effects of ice massage versus CryoRoller on skin surface temperature and myofascial trigger points in the gastrocnemius muscle. (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Trompeter, Joscelyn. The effects of whole body vibration (WBV) on flexibility, power and balance in collegiate athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Wilcox, Laura. Effects of the Deep Muscle Stimulator on myofascial trigger points in the upper back and neck regions. (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Zapinski, Catherine. Depression survey changes in college athletes (2017). Co-Chair-Master of Science Non-thesis Research Committee.

Bouwmeester, Rachael. Comparison of Vibrational vs. Non-vibrational Foam Roller on Hamstring and Quadriceps Flexibility, Proprioception, and Strength (2016). Co-Chair-Master of Science Non-thesis Research Committee

Cleary, Allison. Investigation of Unilateral Balance Differences in Female Collegiate Soccer Players (2016). Co-Chair-Master of Science Non-thesis Research Committee

Danley, Lyle. Correlating Results of a Functional Pitcher Assessment with Incidence of Injury in High School Pitchers over a Regular Baseball Season (2016). Co-Chair-Master of Science Non-thesis Research Committee

Elish, Katie. The Reliability of C3 Logix and ImPACT Concussion Management Systems in Concussion Assessments of Division I Football, Soccer, and Equestrian Athletes (2016). Co-Chair-Master of Science Non-thesis Research Committee

Ganz, Molly. Comparison of Vibrational vs. Non-vibrational Foam Roller on Hamstring and Quadriceps Flexibility, Proprioception, and Strength (2016). Co-Chair-Master of Science Non-thesis Research Committee

Hausman, Melissa (2016). Member of Science Health Education; Non-thesis Research Committee

King, Ross. A Comparison of Clinical Reaction Times with C3Logix and Standardized Measuring Stick Drop Testing: A Predisposing Factor for Concussion Management (2016). Co-Chair-Master of Science Non-thesis Research Committee

Lynch, Sara. The Effectiveness of Flexibility, Static, and Dynamic Mobilization to the Talocrural Joint on Joint Range of Motion and Balance (2016). Co-Chair-Master of Science Non-thesis Research Committee

Peterman, Cody. Correlating Results of a Functional Pitcher Assessment with Incidence of Injury in High School Pitchers over a Regular Baseball Season (2016). Co-Chair-Master of Science Non-thesis Research Committee

Piloto, Marissa. A Comparison of Clinical Reaction Times with C3Logix and Standardized Measuring Stick Drop Testing: A Predisposing Factor for Concussion Management (2016). Co-Chair-Master of Science Non-thesis Research Committee

Randall, Jeremy. Effects of Gender and Segment Predominance on Documented Injuries in Division I Collegiate Level Swimmers and Divers, Soccer Players, Tennis Players Using Functional Movement Screening (2016). Co-Chair-Master of Science Non-thesis Research Committee

Santillan, Bronson. Investigation of Unilateral Balance Differences in Female Collegiate Soccer Players (2016). Co-Chair-Master of Science Non-thesis Research Committee

Thames, Angelina. The Reliability of C3 Logix and ImPACT Concussion Management Systems in Concussion Assessments of Division I Football, Soccer, and Equestrian Athletes (2016). Co-Chair-Master of Science Non-thesis Research Committee

Williams, Tianna. Effects of Gender and Segment Predominance on Documented Injuries in Division I Collegiate Level Swimmers and Divers, Soccer Players, Tennis Players Using Functional Movement Screening (2016). Co-Chair-Master of Science Non-thesis Research Committee

Wilson, Paige. The Effectiveness of Flexibility, Static, and Dynamic Mobilization to the Talocrural Joint on Joint Range of Motion and Balance (2016). Co-Chair-Master of Science Non-thesis Research Committee

Attridge, Ryan. The effectiveness of the King-Devick concussion assessment (2015). Co-Chair-Master of Science Non-thesis Research Committee

Davis, Nellasha. The effectiveness of the King-Devick concussion assessment (2015). Co-Chair-Master of Science Non-thesis Research Committee

Evans, Kathryn. The Acute Effects of Lumbar Traction on Pain, Range of Motion, and Functional Status in Individuals with Non-specific Chronic Low Back Pain (2015). Co-Chair-Master of Science Non-thesis Research Committee

LeBlanc, Nia. The Effects of an Entry Level Ballet Class on First Year Dance Majors on Improving Measurements of Balance Using Limits of Stability, Single Leg Stability, and Postural Stability Testing Utilizing the Biodex Balance System SD (2015). Co-Chair-Master of Science Non-thesis Research Committee

McDaniel, Rebekah. The Acute Effects of Lumbar Traction on Pain, Range of Motion, and Functional Status in Individuals with Non-specific Chronic Low Back Pain (2015). Co-Chair-Master of Science Non-thesis Research Committee

Placke, Anna. The Effects of an Entry Level Ballet Class on First Year Dance Majors on Improving Measurements of Balance Using Limits of Stability, Single Leg Stability, and Postural Stability Testing Utilizing the Biodex Balance System SD (2015). Co-Chair-Master of Science Non-thesis Research Committee

Stoots, Kelly. Marinobufagenin’s potential as a concussion biomarker: A pilot study (2015). Co-Chair-Master of Science Non-thesis Research Committee

Utley, Hilary. “The Efficacy of a Modified Low-Dye Taping Technique on Subtalar Joint Neutral Position Before and After a Period of Moderate Exercise” (2015). Co-Chair-Master of Science Non-thesis Research Committee

Young, Andrew. “The Efficacy of a Modified Low-Dye Taping Technique on Subtalar Joint Neutral Position Before and After a Period of Moderate Exercise” (12/2014). Co-Chair-Master of Science Non-thesis Research Committee

Baker, Samantha. Three Common Iliotibial Band Stretches and Their Acute Effects of Iliotibial Band Flexibility, Hip Range of Motion and Hip Isokinetic Torque (2014). Chair-Master of Science Non-thesis Research Committee

Becker, Alexandra. Efficacy of Ultrasound/Electrical Stimulation Combination Therapy in Treating Myofascial Trigger Points of the Trapezius : A Comparison of Thermal & Non-thermal Combination therapy (2014). Chair-Master of Science Non-thesis Research Committee

Berrones, David. Effects of Manual Muscle Therapy on Trigger Points: Cervical Range of Motion, Pain, Pressure Sensitivity, and neck function (2014). Chair-Master of Science Non-thesis Research Committee

Bledsoe, Blake. Efficacy of Ultrasound/Electrical Stimulation Combination Therapy in Treating Myofascial Trigger Points of the Trapezius : A Comparison of Thermal & Non-thermal Combination therapy (2014). Chair-Master of Science Non-thesis Research Committee

Bohannon, Lakiesha. Effects of Manual Muscle Therapy on Trigger Points: Cervical Range of Motion, Pain, Pressure Sensitivity, and neck function (2014). Chair-Master of Science Non-thesis Research Committee

Bullard,Keilea. Three Common Iliotibial Band Stretches and Their Acute Effects of Iliotibial Band Flexibility, Hip Range of Motion and Hip Isokinetic Torque (2014). Chair-Master of Science Non-thesis Research Committee

Felts, Catherine. The Efficacy of Cryokinetics on the Reduction of Symptoms Associated with Delayed Onset Muscle Soreness (2014). Chair-Master of Science Non-thesis Research Committee

Germany, Stacy. The Efficacy of Cryokinetics on the Reduction of Symptoms Associated with Delayed Onset Muscle Soreness (2014). Chair-Master of Science Non-thesis Research Committee

Gorman, Emma. The Effects of a Passive Shoulder Internal Rotation Stretch Program Using Different Thermotherapies on Range of Motion in Overhead Athletes with GIRD (2014). Chair-Master of Science Non-thesis Research Committee

Smith, Brian. The Effects of a Passive Shoulder Internal Rotation Stretch Program Using Different Thermotherapies on Range of Motion in Overhead Athletes with GIRD (2014). Chair-Master of Science Non-thesis Research Committee

Adeoti, Elizabeth. Effectiveness of the StretchRite Compared to Dynamic Leg Swings on Hamstring Flexibility in Healthy Recreationally Active Individuals (2013). Chair-Master of Science Non-thesis Research Committee

Hinojosa, Greg. Comparison of the Game Ready and the Blue Crystal Portable Cold Compressive Device in Treating Delayed Onset Muscle Soreness (2013). Chair-Master of Science Non-thesis Research Committee

Mauritz, Maddie. Nutrition Knowledge and Dietary Intake of Female Dance Majors (2013). Chair-Master of Science Non-thesis Research Committee

Mauritz, Mollie. The Effect of Sports Massage on Delayed Onset Muscle Soreness in Healthy, Recreationally Active Individuals (2013). Chair-Master of Science Non-thesis Research Committee

Newman, Justin. Cognitive Changes in Division I Football Players Over the Course of a Season Using EEG and ImPACT Measures (2013). Chair-Master of Science Non-thesis Research Committee

Thomas, Laura. A Comparison of PNF and Active Release Techniques® on Hamstring Flexibility in Young, Recreationally Active Individuals (2013). Chair-Master of Science Non-thesis Research Committee

Wiatrek, Tyler. Effects of Light Exercise on Measures of Delayed Onset Muscle Soreness of the Elbow Flexors in Recreationally Active Participants (2013). Chair-Master of Science Non-thesis Research Committee

Wiebe, Brooke. Effects of Biowave Pro Deepwave® on Delayed Onset Muscle Soreness of the Elbow Flexors (2013). Chair-Master of Science Non-thesis Research Committee

***Baylor University***

Major Angela Diebal, PT, DPT, SCS, ATC, CSCS. Forefoot Running Improves Pain and Disability Associated with Chronic Exertional Compartment Syndrome. U.S. Army-Baylor University Post Professional Doctoral (DScPT)/Residency in Sports Medicine Physical Therapy (2011). Baylor Faculty Committee Member

Major Joseph Miller, PT, DPT, OCS, SCS, CSCS. Immediate Effects of Lumbo-pelvic Manipulation verses Lateral Gluteal Kinesiotaping verses Sham Taping on Active Individuals with Unilateral Patallofemoral Pain Syndrome. U.S. Army-Baylor University Post Professional Doctoral (DScPT)//Residency in Sports Medicine Physical Therapy (2011). Baylor Faculty Committee Member

CPT Benjamin Blank. Evaluation of Extensor Mechanism for Potential ACL Graft Choice Selection on MRI. U.S. Army-Baylor University Doctor of Science in Physician Assistant Studies (2010). Baylor Faculty Committee Member

CPT Susan G. Fisher. Bone Bruises Associated with Anterior Cruciate Ligament Rupture in an Active-Duty Population. U.S. Army-Baylor University Doctor of Science in Physician Assistant Studies (2010). Baylor Faculty Committee Member

Megan Smart. Acute Effects of Dynamic and Static Stretch on the Peak Torque and ROM of Shoulder Internal and External Rotation (2010). Thesis Committee Member

Shellie Spiers. Comparisons of the Effects of Aquatic and Land-Based Balance Training Programs on the Proprioception of College-Aged Recreational Athletes (2010). Thesis Committee Member

Amy West. Effects of G-trainer, Computrainer, and Stretching on Physiological and Performance markers of recovery from endurance exercise (2010). External Thesis Committee Member

Carrie Nix. Comparison of post exercise recovery strategies on physiological and biochemical markers of exercise-induced muscle damage (2010). External Thesis Committee Member

Brian Iveson. Interrater Reliability of the Side-lying Thoraco-lumbar Rotation Measurement (STRM). U.S. Army-Baylor University Doctor of Science in Physical Therapy (2009). Baylor Faculty Committee Member

John Walker. The Efficacy of Combined Cryotherapy and Compression compared to Cryotherapy alone Following Anterior Cruciate Ligament Repair. U.S. Army-Baylor University Doctor of Science in Physician Assistant (2009). Baylor Faculty Committee Member

Michael Shortt. The Efficacy of Combined Cryotherapy and Compression compared to Cryotherapy alone following Hip Arthroscopy. U.S. Army-Baylor University Doctor of Science in Physician Assistant (2009). Baylor Faculty Committee Member

Richard Clark. Associations between Three Clinical Assessment Tools for Postural Stability. U.S. Army-Baylor University Doctor of Science in Physical Therapy (2009). Baylor Faculty Committee Member

Ashley Eisele. An Overview of Research in Manual Therapy (Completed May 2013) Health Science Studies/Pre Physical Therapy. Undergraduate Honors Thesis.

Alex Ager. The effect of Kinesiotape on Brachial Blood Flow (2012). Faculty Advisor

Emily Arnold. Validity of M-mode Ultrasound Measurements of Quadriceps Femoris Contractile Time (2012). Faculty Advisor- Master of Education Non-thesis Research Project

Jordan Leep. The Effectiveness of the HIVAMAT System in the Treatment of Delayed Onset Muscle Soreness of the Quadriceps Femoris (2012). Faculty Advisor- Master of Education Non-thesis Research Project

Jeannette Thomas. The Effectiveness of the Nintendo Wii Fit Balance training program on Balance (2012). Faculty Advisor- Master of Education Non-thesis Research Project

Peter Brock. Effects of Therapeutic Ultrasound on the Localized Blood Flow of the Posterior Tibial Artery Assessed with Doppler Ultrasound (2011). Faculty Advisor- Master of Education Non-thesis Research Project

Jeremy Teblum. The Effect of Different Compositions of Ice Bags on Circulation in the Femoral Artery in Healthy Males (2011). Faculty Advisor- Master of Education Non-thesis Research Project

Alex Britenwischer. The Effects of Kinesiotape on Balance and Pain Perception in Female Runners with Medial Tibial Stress Syndrome (2011). Research Project Committee Member

Casey Lougheed. Effects of Low-Dye Taping on Measures of Static and Dynamic Balance in Healthy Subjects (2011). Research Project Committee Member

Jessica Layden. The Effects of Stretching on Standing Balance (2011). Research Project Committee Member

Anne Sheaffer. The effect of cognitive fatigue on balance (2011). Research Project Committee Member

**RESEARCH AND SCHOLARSHIP**

**Publications**

**Refereed Journal Publications**

Armstrong, C, Bergeron, C, **Boucher, T**. (2018). Effectiveness of Pilates vs. Dance-based Pyometric Training on Dancers Vertical and Horizontal Jump. National Dance Society Journal, 3(1): 37-44.

Bergeron, C, Armstrong, C, **Boucher, T**, Byrne, K and Greenwood, M. (2016) Effectiveness of Rotator Discs on Functional Turnout of Collegiate Ballet Dancers.National Dance Society Journal, 1(1): 18-24.

Willoughby DS, **Boucher T**, Reid J, Skelton G, Clark M. (2011) Effects of 7 Days of Arginine-Alpha-Ketoglutarate Supplementation on Blood Flow, Plasma L-Arginine, Nitric Oxide Metabolites, and Asymmetric Dimethyl Arginine after Resistance Exercise. International Journal of Sport Nutrition and Exercise Metabolism, 21, 4: 291-299.

**Boucher T**, Wang S, Olson S, Trudelle-Jackson E. (2009). Effectiveness of Surface Electromyographic

Biofeedback-triggered Neuromuscular Electrical Stimulation on Knee Rehabilitation. International Journal of Sports Physical Therapy, 4(3): 100-109.

**Book Chapter**

Grandjean P, **Boucher T**. (2013) Stretching for Health, Fitness, Injury Prevention and Sports Performance. In: Jiménez, JM, ed. *The Effects of Exercise and Physical Training on the Development, Performance and Human Health*. San José, Costa Rica: Editorial University of Costa Rica. ISBN: 978-9968-46-371-3.

**Refereed Abstracts**

**Boucher T**, Greenwood L, Alexander V, Sussman R. (2020, June) *Y-Balance TestTM as a Predictor of Lower Extremity Injuries in Division I Collegiate Football Players*. Journal of Athletic Training. 55(6): S-127.

**Boucher T**, Greenwood L, McConnell L, Mullinnix, J. (2019, June) *Acute Effects of Instrument Assisted Soft Tissue Mobilization, Foam Rolling, and Static Stretching on Hamstrings and Quadriceps Flexibility*. Journal of Athletic Training. 54(6): S-57.

**Boucher T**, Greenwood L, King, R, & Piloto, M. (2017, June) *C3Logix and Standardized Measuring Stick Drop Test Correlation of Clinical Reaction Time and Predictors of Concussion*. Journal of Athletic Training. 52(6): S-243.

**Boucher T**, Greenwood L, Utley, H. (2016, June) *The Effectiveness of Modified Low-Dye Taping Technique on the Subtalar Joint Neutral Position Before and After a Period of Moderate Exercise*. Journal of Athletic Training. 51(6): S-61.

**Boucher T**, Bergeron C, Armstrong C, Greenwood M, Byrne-Hanik K (2015, June) *Effectiveness of Rotator Discs on Hip Rotation Range of Motion, Strength, and Function in Dancers*. Journal of Athletic Training. 50(6): S-270.

**Boucher T**, Gallucci, A. (2014) *The Effect of Instrument-assisted Manual Therapy Technique on Brachial Hemodynamics and Pain*. Journal of Athletic Training. 49(3): S-290.

**Boucher T**, La Bounty PM, Rigby R, Arnold E (2013) *Reliability and Validity Of M-Mode Ultrasound Measurements of Quadriceps Femoris Contractile Time*. Journal of Athletic Training. 48(3): S-184.

Sheaffer A, Greenwood L, **Boucher T** (2013) *The effect of cognitive fatigue on balance*. Journal of Athletic Training. 48(3): S-205

Teblum J, **Boucher T**, Greenwood L (2013) *The Effect of Different Compositions of Ice Bags on Circulation in the Femoral Artery in Healthy Males*. Journal of Athletic Training. 48(3): S-131.

La Bounty P, Galvan E, Reid J, Campbell B, McElroy J, Doyle E, **Boucher T.** (2012). [*Self-reported nutritional supplement usage among professional mixed martial artists – preliminary findings*](http://www.jissn.com/content/9/S1/P18). International Society of Sports Nutrition 9(Suppl 1): 18.

**Boucher T**, Greenwood L, La Bounty P, Greenwood M. (2010). *Effectiveness of Surface Electromyographic Biofeedback-Triggered Neuromuscular Electrical Stimulation on Isometric Knee Extensor Torque.* Proceedings of the Texas Physical Therapy Association annual conference.

**Boucher T**, Wang S, Olson S, Trudelle-Jackson E. (2009). *Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation.*Journal of Orthopedic & Sports Physical Therapy,39(1), A55.

**Boucher T**, Wang S, Olson S, Trudelle-Jackson E. (2008). *Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation*. Proceedings of the Texas Physical Therapy Association annual conference, USA.

**Boucher T**, Wang S, Olson S, Trudelle-Jackson E. (2008). *Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation.* Proceedings of the Texas Society of Allied Health Professionals annual conference, USA*.*

**Boucher T**, Wang S. (2006). *The effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation: a single case design*. Journal of Orthopedic & Sports Physical Therapy, 36(1), A31.

**Professional Presentations**

Refereed Presentations (\*Publication was joint-authored with Graduate Student)

**Boucher T**, Greenwood L, Alexander V, Sussman R. (2020, June) *Y-Balance TestTM as a Predictor of Lower Extremity Injuries in Division I Collegiate Football Players.* Presented at the virtual annual conference of the National Athletic Trainer Association-Orlando, FL\*

**Boucher T**, Greenwood L, McConnell L, Mullinnix, J. (2019, June) *Acute Effects of Instrument Assisted Soft Tissue Mobilization, Foam Rolling, and Static Stretching on Hamstrings and Quadriceps Flexibility*. Presented at the annual conference of the National Athletic Trainer Association-Las Vegas, NV\*

Ellis, G, Wooten T, **Boucher T**, Hare M, Jones-Schubart K, Mufich M, Weston C, Greenwood L. (Sept 2018) *Interprofessional Education Between Athletic Training and Nurse Practitioner Students : A Pilot Study*. Presented at the 4th Annual Interprofessional Education and Research Symposium (IPER 4)-Bryan, Tx.\*

Mufich M, **Boucher T**, Greenwood L, Jones-Schubert K, Cynthia Weston C. (2018, July) *IPE Extreme Race Simulation: Identifying Gaps in Patient Care*. Presented at the annual conference of the Nurses Educator Conference in the Rockies-Vail, Co.

Mufrich M, **Boucher T**, Greenwood L, Jones-Schubert, Weston C. (2017, Sept) *IPE “Extreme” Race Simulation: Identifying Gaps In Patient Care*. Presented at the 3rd Annual Interprofessional Education and Research Symposium (IPER 3)-Bryan, Tx.

**Boucher T**, Greenwood L, King, R, & Piloto, M. (2017, June) *C3Logix and Standardized Measuring Stick Drop Test Correlation of Clinical Reaction Time and Predictors of Concussion.* Presented at the annual conference of the National Athletic Trainer Association-Houston, Tx.\*

**Boucher T**, Greenwood M, Utley, H. (2016, June) *The Effectiveness of Modified Low-Dye Taping Technique on the Subtalar Joint Neutral Position Before and After a Period of Moderate Exercise*. Presented at the annual conference of the National Athletic Trainer’s Association, Baltimore, MD.\*

Armstrong, C., Bergeron, C., **Boucher, T**., Boudlin, S., Forman, A., Griffith, H., Johnston, C., & Lerch, K. (2016) Effectiveness of Plyometrics on Vertical and Horizontal Jump in Dance Technique. Presented at Brazil-UK Network: Dance Medicine and Science. Goiania, Brazil.

Armstrong, C., Bergeron, C., **Boucher, T**., Boudlin, S., Forman, A., Griffith, H., Johnston, C., & Lerch, K. (2016) Effectiveness of Plyometrics on Vertical and Horizontal Jump in Dance Technique. Presented at Performing Arts Medicine Association. New York, New York.

Armstrong, C., Bergeron, C., **Boucher, T**., Boudlin, S., Forman, A., Griffith, H., Johnston, C., & Lerch, K. (2016) Effectiveness of Pilates on Vertical and Horizontal Jump in Dance Technique. Presented at National Dance Society Annual Conference. College Station, TX.

**Boucher T**, Greenwood L, Bergeron C, LeBlanc N, Placke A. (2015, Dec) *The Effects of an Entry Level Ballet Class on First Year Dance Majors on Improving Measurements of Balance Using the Biodex Balance System SD*. Presented at the annual convention of the Texas Association for Health, Physical Education, Recreation, and Dance.\*

Bergeron C, Armstrong C, **Boucher T**, Greenwood M, Byrne-Hanik K (2015, June) *Effectiveness of Rotator Discs on Hip Rotation Range of Motion, Strength, and Function in Dancers*. Presented at the annual conference of the National Athletic Trainer’s Association

Bergeron C, Armstrong C, **Boucher T**, Greenwood M, Byrne-Hanik K. (2014, Dec) *Effectiveness of Rotator Discs on Hip External Rotation in Ballet Movement Sequences*. Presented at the annual convention of the Texas Association for Health, Physical Education, Recreation, and Dance

**Boucher T,** Gallucci, A. (2014, June) *The Effect of Instrument-assisted Manual Therapy Technique on Brachial Hemodynamics and Pain.* Presented at the annual conference of the National Athletic Trainer’s Association

**Boucher T,** LaBounty P**,**  Rigby R, Arnold E. (2013, June) *Reliability and validity of M-Mode Ultrasound Measurements of Quadriceps Femoris Contractile.* Presented at the annual conference of the National Athletic Trainer’s Association\*

Greenwood L, **Boucher T,** Sheaffer A. (2013, June) *The effect of cognitive fatigue on balance*. Presented at the annual conference of the National Athletic Trainer’s Association\*

**Boucher T**, Teblum J, Greenwood L. (2013, June) *The Effect of Different Compositions of Ice Bags on Circulation in the Femoral Artery in Healthy Males.* Presented at the annual conference of the National Athletic Trainer’s Association\*

Greenwood L., **Boucher T,** Lougheed C. (2012, June). *Effects of Low-Dye Taping on Measures of Static and Dynamic Balance in Female Pronators.* Presented at the annual conference of the National Athletic Trainer’s Association\*

La Bounty P., Galvan E., Reid J., Campbell B., McElroy J., Doyle E., **Boucher T.** (2012, November). [*Self-reported nutritional supplement usage among professional mixed martial artists – preliminary findings*](http://www.jissn.com/content/9/S1/P18)*.* [Presented at International Society of Sports Nutrition (ISSN) Conference and Expo](http://www.jissn.com/supplements/9/S1)sition

Greenwood L, **Boucher T**, Smart M, Barnard-Brak L, La Bounty P, Greenwood M. (2011, June). *Acute Effects of Dynamic and Static Stretch on the Peak Torque and ROM of Shoulder Internal and External Rotation.* Presented at the annual conference of the National Athletic Trainer’s Association\*

Greenwood L, **Boucher T**, Spiers S, Barnard-Brak L, La Bounty P, Greenwood M (2011, June). *Comparison of the Effects of Aquatic and Land-Based Balance Training Programs on the Postural Control of College-Aged Recreational Athletes.* Presented at the annual conference of the National Athletic Trainer’s Association\*

**Boucher T**, Greenwood L, La Bounty P, Greenwood M. (2010, October). *Effectiveness of Surface Electromyographic Biofeedback-Triggered Neuromuscular Electrical Stimulation on Isometric Knee Extensor Torque in Healthy Individuals.* Presented at the annual conference of the Texas Physical Therapy Association, Arlington, TX.

Willoughby DS, **Boucher T**, Reid J, Skelton G, Clark M. (2010, June). *Effects of 7 Days of Arginine-Alpha-Ketoglutarate Supplementation on Blood Flow, Plasma L-Arginine, Nitric Oxide Metabolites, and Asymmetric Dimethyl Arginine After Resistance Exercise.* Presented at the annual conference of the International Society of Sports Nutrition, Clearwater, FL.

**Boucher T**, Wang S, Olson S, Trudelle-Jackson E. (2009, February). *Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation*. Presented at the annual conference of the American Physical Therapy Association - Combined Sections Meeting, Las Vegas, NV.

**Boucher T**, Wang S, Olson S, Trudelle-Jackson E. (2008, October). *Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation.* Presented at the annual conference of the Texas Physical Therapy Association, Lubbock, TX.

**Boucher T**, Wang S, Olson S, Trudelle-Jackson E. (2008, September). *Effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation.* Presented at the annual conference of the Texas Society of Allied Health Professionals, El Paso, TX.

**Boucher T**, Wang S. (2006, January). *The effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation: a single case design.* Presented at the annual conference of the American Physical Therapy Association - Combined Sections Meeting, San Diego, CA.

**Boucher T**, Wang S, (2005, October). *The effectiveness of surface electromyographic biofeedback-triggered neuromuscular electrical stimulation on knee rehabilitation: an outcome study.* Presented at the annual conference of the Texas Physical Therapy Association, Houston, TX.

**Invited Presentations**

**Boucher, T.** (2012, January). *Primary and secondary injury evaluation.* Symposium conducted at the meeting of the Southwest Athletic Trainer’s Association- Competency Workshop Dallas, TX.

**Boucher, T.** (2011, January). *Primary and secondary injury evaluation.* Symposium conducted at the meeting of the Southwest Athletic Trainer’s Association- Competency Workshop Dallas, TX.

**Boucher, T.** (2010, January). *Primary and secondary injury evaluation.* Symposium conducted at the meeting of the Southwest Athletic Trainer’s Association- Competency Workshop Dallas, TX.

**Boucher, T.** (2010, January). *Manual muscle testing.* Symposium conducted at the meeting of the Southwest Athletic Trainer’s Association- Competency Workshop Dallas, TX.

**Boucher, T.** (2009, January). *Orthopedic Special Testing.* Symposium conducted at the meeting of the Southwest Athletic Trainer’s Association- Competency Workshop Dallas, TX.

**Grants and Contracts**

**External Support**

**Received**

*Graduate Athletic Training Assistantships -* Baylor University: Axtell ISD, Crawford ISD, Bruceville-Eddy ISD, West ISD (Funded 8/1/2011-5/31/12).Principal Investigator. **Funded: $50,600**

*Effectiveness of surface electromyographic-triggered neuromuscular electrical stimulation on knee rehabilitation.* Texas Physical Therapy Foundation, November 2005. Principal Investigator. **Funded: $3000**.

*Effectiveness of surface electromyographic-triggered neuromuscular electrical stimulation on knee rehabilitation*. Texas Society of Allied Health Professionals, August 2005, Principal Investigator. **Funded: $1000**

**Submitted**

*Effectiveness of the combination of electromyographic biofeedback and neuromuscular stimulation on knee rehabilitation.* Foundation for Physical Therapy: Promotion of Doctoral Studies, January 2005, Principal Investigator. **Not funded.**

*Effectiveness of the combination of electromyographic biofeedback and neuromuscular stimulation on knee rehabilitation.* Submitted to American Physical Therapy Association: Orthopedic Section, November 2004. Principal Investigator. **Not funded.**

**Internal Support**

**Received**

Summer Sabbatical Leave (Baylor - Summer 2011): *The effectiveness of platelet rich plasma injection on tendon thickness, angiogenesis, functional outcomes, and pain in tendinopathy* **-** Southwest Sports Medicine and Orthopedics physician group. **Funded**

**Submitted**

Young Investigator Development Program (Baylor - January 2011). *The effectiveness of platelet rich plasma injection on tendon thickness, functional outcomes, and pain in chronic tendinopathy: A single case design series.* **Not funded.**

**SERVICE**

**Professional Certifications and Licensure**

Certified Athletic Trainer, National Athletic Trainer’s Association Board of Certification (2000-present)

Licensed Athletic Trainer, Texas Advisory Board of Athletic Trainer's (2000-present)

Licensed Physical Therapist, Texas Board of Physical Therapy Examiners (1996-present)

**Professional National Affiliations**

Journal Reviewer: Journal of Electromyography and Kinesiology

Journal Reviewer: Journal of Athletic Training

Texas Society of Allied Health Professionals (2005-2010)

National Athletic Trainer's Association (since 2001)

American Physical Therapy Association, Orthopedic section (since 1995)

Texas Physical Therapy Association (since 1995)

Texas Tech Letterman's Association (since 1993)

**University Service**

***Texas A&M University***

Coordinator of Clinical Education– Master of Science in Athletic Training education program

Texas A&M University Graduate Faculty member

Non-thesis committee Co-chair: Master of Science in Athletic Training

Texas A&M University Faculty Senate

 Faculty Senate Member: 2018-present

 College of Education & Human Development chair/caucus leader: 2019-present

 Texas A&M University Legislative Affairs Committee

 Texas A&M University Personnel and Wellness Committee

 Texas A&M University Budget Information Committee

 Texas A&M University Election Committee

Master of Science in Athletic Training Admissions Committee

Committee for the Commission on Accreditation of Athletic Training Education Program (CAATE) –

program and curriculum development

Commission on the Accreditation of Athletic Training Education Site Visitor Committee

Health and Kinesiology A1 Clinical Review Committee

Health and Kinesiology Clinical Promotion Review Committee

College of Education: Service, Teaching, and Research (STaR) Catapult Mentor Program

Health and Kinesiology Undergraduate Curriculum Committee

3+2 Master of Science in Athletic Training Curriculum Working Committee

College of Education: Chair - Selection Committee of the Association of Former Students College-Level

Teaching Award

Health and Kinesiology Diversity & Climate Committee

Kinesiology Athletic Training Graduate Assessment Committee

Texas A&M Youth Adventure Program (YAP)-Sports Medicine

Moderator-National Athletic Trainer’s Association

Texas A&M Dance program wellness screening

Texas A&M Dance program orthopedic evaluation clinic

Mock interviews – Master of Science in Athletic Training program

Prospective student recruitment: Liaison for prospective students, clinical and campus tours

Senior office associate search committee-Health and Kinesiology (11/2015)

Non-thesis committee: Master of Science in Health (2015-2017)

Aggieland Saturday

Aggie Move in day

Armadillo DASH ½ Marathon - Service with graduate athletic training students to provide event coverage

and promotion for national athletic training month (3/3/13)

***Baylor University***

Baylor University Graduate Faculty member (2009-2012)

Health, Human Performance, Recreation Graduate Council member (2011-2012)

Program director – Baylor University Graduate Athletic Training education program (5/2011-2012)

Health, Human Performance, Recreation IRB committee (2009-2012)

U.S. Army-Baylor University Faculty Committee(s) member (2009-2012):

-Doctor of Science in Physical Therapy, Brooke Army Medical Center, Fort Sam Houston, San

 Antonio, Tx

-Doctor of Science in Physician Assistant Studies (Clinical Orthopedics), Brooke Army Medical

 Center, Fort Sam Houston, San Antonio, Tx

-Doctoral Fellowship in Manual Orthopedic Physical Therapy, Brooke Army Medical Center, Fort

 Sam Houston, Tx

-Doctor of Science in Physician Assistant Studies (Clinical Orthopedics), William Beaumont

 Army Medical Center, Fort Bliss, El Paso, TX

-Post Professional Doctoral (DScPT)/Residency on Sports Medicine Physical Therapy, United

 Stated Military Academy, West Point, NY

-Doctor of Science in Physical Therapy, Madigan Army Medical Center, Ft. Lewis, Tacoma, WA

Faculty Advisor - Baylor Running Club (2009-2011): Organize and supervise club activities; Performed

Runner’s foot clinic with assessments performed by graduate students for HP 5360 requirement

Search Committee Chair-Assistant Professor/Program Director in Athletic Training (2012)

Search Committee Member-Assistant Clinical Professor/Clinical Coordinator in Athletic Training (2012)

Athletic Training Education Program Curriculum committee (2008-2012)

Baylor University Physical Therapy program feasibility committee (2011)

Baylor Volleyball team athletic training coverage (2011)

Clinical coordinator – Baylor University Athletic Training education program (8/2008-5/2011)

Great Brazos Relay (2010): Provided online documentation for injury prevention and training

Baylor squared - Baylor University & Baylor College of Medicine admissions (2010): Baylor pre-health

& HHPR advising information & recruitment

Baylor University Winter premiere (2010)

Search committee member: Assistant/Associate professor of Recreational & Leisure Services (2010)

Committee for the Commission on Accreditation of Athletic Training Education Program (CAATE)

accreditation committee for program and curriculum development; CAATE re-accreditation awarded (8/2010), Self-study for CAATE accreditation (2009)

School of education research colloquium (2010)

School of education student recognition dinner (2010)

Baylor University Tuition Proposal Task Force (2009)

Faculty representative: New student dinner (2009)

Baylor University Mock interview: ATEP seniors (2008-2012)

Baylor University Mock practical for Graduate Athletic training students (2008-2009)

Baylor University Student advisement: Athletic training and pre-health professional students

Baylor University New Student recruitment: Liaison for prospective students, class observation, &

campus tours

**Community Service**

Brazos County Disaster Day – Field Exercise

 (Armadillo DASH ½ Marathon - Service with graduate athletic training students to provide event

coverage and promotion for national athletic training month (3/3/13)

Christ United Methodist Church – College Station, Tx

-Sunday school instruction for Branch youth class

-Confirmation mentor and instructor

First United Methodist Church –Waco, Tx

-Sunday school instruction for Home Builders II class

-My Brother’s Keeper homeless shelter: Family volunteers

China Spring ISD

 -Fall festival volunteer

-Dads of Great Students (WATCH D.O.G.S.) program (2010-2012)

Baylor Running Club: organize assistance for external events (2009-2012)

Special Olympics food committee (2010-2011)

Great Brazos Relay (2010): Provided online documentation for injury prevention and training

Special Olympics (2009)

**ACADEMIC AND PROFESSIONAL HONORS AND AWARDS**

Award for clinical excellence, HealthSouth, October 1996

Texas Tech University: Varsity track and field (1988-1993)

 Three year letterman (1989-1992)

All Southwest Conference (1992)

Numerous student-athlete academic awards & recognition - Texas Tech University (1988-1993)