

Mark Knoblauch PhD, ATC, LAT, CSCS
Clinical Assistant Professor
University of Houston
4849 Calhoun Road, Rm. 2052
Houston , TX 77204
maknobla@central.uh.edu

Education:

Post-doctoral fellowship: Department of Molecular Physiology and Biophysics; Baylor College of Medicine, 2011-2013

Fellowship Project: *Mice with RyR1 Mutation (Y524S) Undergo a Hypermetabolic Response to Simvastatin*

PhD—Exercise Science; University of Houston, 2011

Dissertation title: *Influence of chronic hypercholesterolemia on myofiber membrane cholesterol and skeletal muscle membrane damage in a mouse model*

M.S.—Kinesiology; University of Nevada, Las Vegas (UNLV), 1998

Emphasis: Exercise Science

Professional Paper: “A Need For Certification in the Coaching Profession”

B.A.—Exercise Science (Cum Laude); Wichita State University, 1996

Emphasis: Athletic Training

A.A.—Sports Medicine; Hutchinson Community College, 1994

Professional Credentials/Training:

- National Athletic Trainer’s Association: Athletic Trainer, 1996-current;
 - *Certification #119602616*
 - National Provider Identifier (NPI): 1477767408
- Texas Advisory Board of Athletic Trainers: Athletic Trainer, 1999-current;
 - *License #AT2198*

- National Strength and Conditioning Association: Strength and Conditioning Specialist, 1997-current
 - *Certification # 976899*
- Baylor College of Medicine ‘Ethics in Science’ Training Seminars, 2012-13
- American Red Cross First Aid and CPR Instructor, Certified, 1999-2006
- American Red Cross Professional Rescuer + AED, Certified, 2004-current
- Kansas Board of Emergency Medical Services Registration: EMT, 1996-2002
- Kansas State Board of Healing Arts Registration: Athletic Trainer, 1998-1999

Employment History:

Professional:

University of Houston, Department of Health and Human Performance, 2014-current

Clinical Assistant Professor

Clinical Coordinator, Master of Athletic Training Program

Job responsibilities include:

- Initial design of program to achieve accreditation from the Commission on Accreditation of Athletic Training Education (CAATE)
- Collaborate with the Program Director to implement policies and procedures for the new Master of Athletic Training (MAT) program
- Establish and coordinate clinical education sites
- Coordinate orientation and education of program preceptors
- Design and teach courses in the MAT program
- Supervise MAT student case study preparation and if necessary, submission

Courses Taught (Syllabi available upon request):

- ATP 6302 Emergency Management & Prevention of Injury
- ATP 6102 Emergency Management & Prevention of Injury Lab
- ATP 6191 Clinical Education I
- ATP 6311 Introduction to Research in Athletic Training
- ATP 6192 Clinical Education II
- ATP 6322 Pharmacology in Athletic Training
- ATP 6193 Clinical Education III

- ATP 7312 Principles of Strength and Conditioning
- ATP 7194 Clinical Education IV
- ATP 7195 Clinical Education V
- Master of Athletic Training Student Society (MATSS) advisor
 - Coordinate guest speakers
 - Act as a liaison between MATSS and relevant university officials

Baylor College of Medicine; Department of Molecular Physiology and Biophysics, 2011-2013

Postdoctoral Research Associate, Department of Molecular Physiology and Biophysics

--Laboratory of Dr. Susan Hamilton

Job responsibilities included:

- Development, design, data collection, and manuscript preparation of independent project
- Actively seek and apply for project funding
- Actively participate in Responsible Conduct of Research training
- Primary researcher for experiment data collection of *in vitro* force-frequency and fatigue measurements, determination of myofiber cross-sectional area, skeletal muscle cryo-sectioning, ImageJ and Photoshop CS3 image analysis
- Statistical analysis of lab data

University of Houston; 2005-2011

Teaching Fellow (2005-07)

Research Assistant (2007-2011)

Job responsibilities included:

- Course instruction for up to six credit hours per semester

Courses Taught (Syllabi available upon request):

- KIN 1104 Movement Activities for Children
- KIN 1252 Foundations of Kinesiology Studies
- KIN 2100 Individual and Dual Sports
- KIN 3300 Motor Development
- PEB 1110 Combative Sports
- PEB 1136 Racquetball

- Grade exams and serve as primary student contact for PEP 6305
- Data collection for both field-based and laboratory-based research studies
- Sample analysis for laboratory-based research studies

Lamar University (Beaumont, TX); 1999-2005

Head Athletic Trainer

Lecturer, Health and Kinesiology

Job responsibilities included:

- Primary medical coordinator for all of Lamar University's 14 athletic teams
- Course instruction for up to nine credit hours per semester

Courses Taught:

- HLTH 1306 First Aid & CPR
- HLTH 2376 Care and Prevention of Athletic Injuries
- HLTH 4301 Advanced Athletic Training (Evaluation)
- HLTH 4310 Advanced Athletic Training (Therapeutic Modalities and Rehabilitation)
- Instrumented partnership between Christus St. Elizabeth Hospital's Family Practice fellowship program and the Lamar University sports medicine program to facilitate daily on-site general medical care for Cardinal athletes. Maintained a new relationship with Southeast Texas Medical Associates in 2002 after elimination of St. Elizabeth's fellowship program
- Appointed to the UTMB-Galveston School of Medicine's Department of Family Medicine as a Family Medicine Specialist
- Interim appointment to Lamar's Graduate Faculty Board
- Recruitment, supervision, and guidance of over thirty (30) student athletic trainers and three Graduate Assistants for the Cardinal sports medicine program.
- Served on educational committee to create a new Exercise Science program at Lamar University
- Provided academic advisement for student athletic trainers
- Advisor for Lamar's student athletic trainer program, LUSATA
- Insurance and medical billing coordinator for Lamar University athletics
- Web page designer and webmaster, Lamar University Sports Medicine
- Athletic Trainer for Lamar University Men's Basketball, 2000 Southland Conference Tournament champions, 2000 NCAA Tournament participants
- Drug testing coordinator

Pratt Community College (Pratt, KS); 1998-1999

Head Athletic Trainer

Instructor, Health, Physical Education and Recreation

Job responsibilities included:

- Primary medical coordinator for PCC's eight athletic teams
- Recruitment, supervision, and guidance of student athletic aides
- Provided academic advisement for student aides
- Insurance and medical billing coordinator for PCC athletics
- Drug testing coordinator
- Course instruction in physical education

Adjunct/Contract/Temporary/Assistantships:*San Jacinto Community College—North; 2005-2008*

Adjunct Instructor – Physical Education Department

Courses Taught (Syllabi available upon request):

- PHED 1101 – Beginning Tennis
- PHED 1119 – Exercise for Health and Fitness
- PHED 1143 – Walking for Fitness

St. John's School; 2005-2009

Contract Athletic Trainer

Lutheran South High School; 2005-2009

Contract Athletic Trainer

Cegedim Dendrite Field Inventory Services; 2000-2015

Perform audits and closeouts of pharmaceutical rep drug sample inventories

Conduct pharmacy audits of Controlled (II-V) substances

University of Nevada—Las Vegas (UNLV); 1996-98

Graduate Assistant Athletic Trainer,

Assistant Lecturer—Athletic Training Education Program

Pacific Southwest Physical Therapy; 1997

Physical Therapy Technician

Professional Memberships:

- National Athletic Trainer's Association: 1995-current
- Southwest Athletic Trainer's Association: 1999-current
- International Institute for Race Medicine (2015-current)
- Baylor College of Medicine Postdoctoral Association (2011-2013)
- National Strength and Conditioning Association: 1997-current
- Greater Houston Athletic Trainer's Society, 2008-current
- Kansas Athletic Trainer's Association, 1998-1999
- Mid-America Athletic Trainer's Association, 1996 - 1999
- Kansas EMS Association: 1995-2002
- Far West Athletic Trainer's Association (1996-1998)

Research

Interests:

- Load-induced skeletal muscle damage
- Hypercholesterolemia's role in skeletal muscle damage
- Statin-induced myopathy
- Creatine kinase response to resistive exercise and injury
- Athletic training perceptions
- Heat illness assessment

Current projects:

Peer-reviewed manuscript

- Perceptions of the ability of various healthcare fields to perform specific practice domains (survey study), currently in write-up and analysis phase

Publications:

Book:

- (In press): *Professional Writing in Kinesiology and Sports Medicine* (Editor). Publisher: Slack Incorporated.
- *Overcoming Meniere's: How a lifestyle change can change your life*. Publisher: Kiremma Press.
- (In preparation, agented): *The Science of Low Sodium*. Publisher: TBD

Peer-Reviewed: In-preparation, Submitted, or Accepted for Publication

Knoblauch M; Laughlin M; Vineyard A; Poe R. Perceptions of various healthcare professions' ability to perform specific practice domains. In preparation for submission to *Journal of Athletic Training* August 2018.

Chang Seok Lee, Dimitra K. Georgiou, Adan Dagnino-Acosta, Viktor Yarotsky, Alla Lyfenko, **Mark Knoblauch**, et al. Skeletal Muscle Regulation of Body Fat: Critical Role of Ca²⁺ Influx via CaV1.1. In preparation for re-submission to *Cell Metabolism*

Knoblauch, M, O'Connor, DP, Clarke, MSF. Determination of skeletal muscle membrane cholesterol content using sequential aqueous and organic buffer extraction. In preparation for submission to *Journal of Biological Methods*

Peer-reviewed: Published:

Lee CS, Hanna AD, Wang H, Dagnino-Acosta A, Joshil AD, **Knoblauch M**, et al. A Chemical Chaperone Alleviates ER Stress and Improves Muscle Function in Mice with an RyR1 Mutation. *Nature Communications*. March 2017. 8:14659

Babcock LW, **Knoblauch M**, Clarke, MSF. The role of myostatin and activating receptor IIB in the regulation of unloading-induced myofiber type-specific skeletal muscle atrophy. *Journal of Applied Physiology* 2015; 119(6): 633-642.

Lee CS, Dagnino-Acosta A, Yarotsky V, Hanna A, Lyfenko A, **Knoblauch M**, et al. Ca²⁺ permeation and/or binding to CaV1.1 fine-tunes skeletal muscle Ca²⁺ signaling to sustain muscle function. *Skeletal Muscle*. 2015; 5:4

Pedrotti S, Guidice J, Dagnino-Acosta A, **Knoblauch M**, et al. The RNA-binding protein Rbfox1 regulates splicing required for adult skeletal muscle function. *Human Molecular Genetics*. 2015; 24(8): 2360-74.

Chang Seok Lee, Dimitra K. Georgiou, Adan Dagnino-Acosta, Jianjun Xu, Iskander I Ismailov, **Mark Knoblauch**, et al. Ligands for FKBP12 Increase Ca²⁺ influx and protein synthesis to improve skeletal muscle function. *J Biol Chem* 2014. 289(37): 25556-70

Knoblauch, MA; Dagnino-Acosta, A; Hamilton, S. Mice with an RyR1 mutation (Y524S) Undergo a Hypermetabolic Response to Simvastatin. *Skeletal Muscle*, 2013. 3:22

Knoblauch, MA; O'Connor, DP; Clarke, MSF. Obese mice incur greater myofiber membrane disruption in response to mechanical load compared to lean mice. *Obesity (Silver Spring)*. 2013 Jan;21(1):135-43

O'Connor, DP; **Knoblauch, MA**. Electrocardiogram testing during athletic pre-participation physical examinations. *Journal of Athletic Training*. 2010. 45(3):265-72

Knoblauch, MA; O'Connor, DP; Clarke, MSF. Capillary and Venous Samples of Total Creatine Kinase Are Similar After Eccentric Exercise. *Journal of Strength and Conditioning Research*. 2010. 24(12):3471-3475.

Sharma SV, Bush JA, Lorino AJ, **Knoblauch M**, Abuamer D, Blog G, Bertman D. Diet and Cardiovascular Risk In University Marching Band, Dance Team and Cheer Squad Members: A Cross-Sectional Study. *J Int Soc Sports Nutr*. 2008 Apr 18;5:9.

Abstracts:

Knoblauch, MA; O'Connor, DP; Clarke, MSF. Decreased skeletal myofiber cross-sectional area in the gastrocnemius of obese mice compared to lean controls. *Journal of Strength and Conditioning Research – Supplement*, July 2012.

Knoblauch, MA; O'Connor, DP. Relative Cost Effectiveness Of ECG Screening Male And Female Athletes In High School Preparticipation Physical Examinations In Texas. *Journal of Athletic Training*. 2008 43(3 supp):S-81

Bush JA, AJ Lorino, S Sharma, J Banda, **MA Knoblauch**, J Hallmark, D Abuamer, GS Blog, D Bertman, M McMartin. Characteristics, correlates, and perceptions of cardiovascular health in an urban university marching band, ACSM Denver, CO, *Med Sci. Sports Exerc.* 38(5 suppl):S427, Denver CO, 2006.

Non-peer reviewed:

Boatwright, D., Strickland, G, **Knoblauch, M.**, Smith, C., & McCraw, J. (2001). The Hydrated State of a College Basketball Team After Practice. *Applied Research in Coaching and Athletics Annual*, 111-116

Knoblauch, MA. [Letter to the editor]. "Doc" is Also a Wrong Term. *NATA News* July 2005, pg 52.

Knoblauch, MA. [Letter to the editor]. "Should ATs be able to write prescriptions?". *NATA News* October 2015, p 10-11.

Poster Presentations:

Knoblauch, MA; Vineyard, A; Poe, R. Perceptions of Athletic Trainer Abilities to Perform Skills Outlined in the BOC Practice Analysis. National Athletic Trainer's Association 2017 Annual Meeting; Houston, TX.

Knoblauch, MA; O'Connor, DP; Clarke, MSF. Decreased skeletal myofiber cross-sectional area in the gastrocnemius of obese mice compared to lean controls. National Strength and Conditioning Association 2012 Annual Meeting; Providence, RI

Knoblauch, MA; O'Connor, DP. "Relative Cost Effectiveness of ECG Screening of Male and Female High School Athletes In Texas". National Athletic Trainer's Association 2008 Annual Meeting; St. Louis, MO

- Nominated for *Best Doctoral Student Poster Presentation*

- Poster also accepted for presentation at National Center for Human Performance 2008 Annual Meeting; Houston, TX

Supervised Student Research

Conference Oral Presentations:

Chavez-Madrid, J., Lang, A., Hight, N., Yellen, J., Knoblauch, M. Triangular Fibrocartilage Complex Tear In A Female Swimmer. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.

Kwok M, Houston JD, Shield C, Yellen JB, Knoblauch M. Vestibular Oculomotor Rehabilitation and Neck Muscle Strengthening for Concussion Recovery in A Collegiate Basketball Athlete. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.

Painter C, Turner T, Yellen J, Knoblauch M. Bilateral Patellar Tendon Rupture in a Football Player. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.

Parker S, Ready S, Yellen J, Knoblauch M. Acromion Clavicular Separation with Abscess Infection. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.

Rueda M, Bhojani R, Yellen J, Knoblauch M. Non-Traumatic Slipping Rib Syndrome in a High School Student. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016

- Winner, best student oral presentation

Lewis, Tashare; Houston, J; Yellen, J; Knoblauch, M. Non-traditional use of platelet rich plasma injection for lateral femoral condyle osteochondral defect lesion. Presented at the Southwest Athletic Trainer's Association Annual Meeting – 2016.

Perez, A; Stuckey, D; Yellen, J; Knoblauch, M. Venous vascular malformation in a collegiate soccer player. Presented at the Southwest Athletic Trainer's Association Annual Meeting – 2016.

Strickland-Forbes, S; Malloy, M; Yellen, J; Knoblauch, M. Fibular osteoid osteoma in a collegiate track athlete. Presented at the Southwest Athletic Trainer's Association Annual Meeting – 2016.

- Winner, best student oral presentation

Cascia, N; Takashima, H; Yellen, J; Knoblauch, M. Common plantar digital nerve pain due to lumbopelvic dysfunctions in a collegiate baseball player. Presented at the Southwest Athletic Trainer's Association Annual Meeting – 2015.

Ryan, W; Takashima, H; Yellen, J; Knoblauch, M. The outcomes of conservative treatment of os trigonum syndrome in an NCAA baseball player. Presented at the Southwest Athletic Trainer's Association Annual Meeting – 2015.

Crandell, A; Matvey, L; Yellen, J; Knoblauch, M. Vasovagal syncope and grand mal seizures with ventricular pauses in a collegiate volleyball player. Presented at the Southwest Athletic Trainer's Association Annual Meeting – 2015.

Payne, K; Houston, J; Yellen, J; Knoblauch, M. Iliacus avulsion underlying symptoms of iliac crest contusion. Presented at the University of Houston's Health and Human Performance Research Day – 2015.

Barnes, M; Hight, N; Barnes, D; Yellen, J; Knoblauch, M. Unique shape of tibial plateau fracture in an 18 year old football athlete. Presented at the University of Houston's Health and Human Performance Research Day – 2015.

Conference Poster Presentations:

Ansari S, Pena F*, Yellen JB, Knoblauch MA. Distal Radial Buckle Fracture from Ball Impact in a Male Youth Soccer Goalkeeper. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.

Denzler D, Maloney K, Yellen J, Knoblauch M. Surgical repair of an adductor tubercle avulsion fracture. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.

- Frank EF, Lueken RC, Yellen JB, Knoblauch MA. Rotator Cuff Pathology and SLAP Tear in a Collegiate Offensive Lineman. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.
- Landon M, Crow M, Barnes K, Yellen J, Knoblauch M. Vasovagal Syncope and Exercise Associated Collapse of a Collegiate Softball Athlete. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.
- Lopez S, Takishima H, Yellen J, Knoblauch M. Calcification on a UCL Without UCL Rupture in a Collegiate Male Baseball Player. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.
- Marina J, Papangellin D, Ramon A, Yellen JB, Knoblauch M. Non-Traumatic Avascular Necrosis of the Femoral Head in a Division 1 Collegiate Baseball Player. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.
- Mata S, Matvey L, Yellen JB, Knoblauch MA. Psychiatric Syncope in a Collegiate Volleyball Player. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.
- Mayol JN, Malloy ML, Yellen JB, Knoblauch MA. Nondisplaced Medial Clavicular Fracture in a Collegiate Football Athlete. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.
- Milnes JR, Hutchison A, Yellen J, Knoblauch M. Non-Union of a Fractured First Rib Resulting in Neurogenic Thoracic Outlet Syndrome. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.
- Odom, T, Malloy, M, Yellen, J, Knoblauch, M. Noncompliant Rehabilitation and Patellar Tendon Rupture. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.
- Poe RI, Ready ST, Yellen JB, Knoblauch MK. Vitamin D Deficiency in a Male College Football Athlete. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.

Puetz, J., Lang, A., Yellen, J., Knoblauch, M. Femoral Neck Stress Fracture in a Female Swimmer: A Case Report. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.

Serna R, Bennett L, Yellen J, Knoblauch M. Bilateral sports hernia in a collegiate athlete. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.

Spain B, Bennett L, Yellen J, Knoblauch M. A Bankhart Lesion in a Basketball Player with Instability Issues: A Case Study. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.

Vineyard A, Malloy M, Ashley Y, Yellen J, Knoblauch M. Heterotrophic Ossification in Collegiate Male Discus Thrower. Presented at the Southwest Athletic Trainer's Association Annual Meeting, July 2016.

Coleman, M; Carter, G; Yellen, J; Knoblauch, M. Stage 4 osteochondritis dissecans in a high school football player. Presented at the Southwest Athletic Trainer's Association Annual Meeting – 2016.

Hairston, L; Carter, G; Yellen, J; Knoblauch, M. Patellar subluxation leads to a microfracture surgery. Presented at the Southwest Athletic Trainer's Association Annual Meeting – 2016.

Jones, A; Rice, T; Yellen, J; Knoblauch, M. Distal triceps tendon rupture. Presented at the Southwest Athletic Trainer's Association Annual Meeting – 2016.

Payne, K; Houston, J; Yellen, J; Knoblauch, M. Iliacus avulsion underlying symptoms of iliac crest contusion. Presented at the Southwest Athletic Trainer's Association Annual Meeting – 2015.

Barnes, M; Hight, N; Barnes, D; Yellen, J; Knoblauch, M. Unique shape of tibial plateau fracture in an 18 year old football athlete. Presented at the Southwest Athletic Trainer's Association Annual Meeting – 2015.

- Winner, best student poster presentation

Media

Invited live radio interview: Is sitting at work as bad as smoking? The Matt Patrick show, KTRH radio. 4/26/14. Discussion of research suggesting that prolonged sitting at work can over the long term be as detrimental to one's health as smoking.

Invited recorded radio interview: Latest research suggests standing at work is not all it's hyped up to be. With Dale Forbis. AM 740 KTRH radio. Aired 3/23/13.

Grants/Funding

Funded:

- College of Education Competitive Graduate Student Research Award: \$500; May 2007
- College of Education Competitive Graduate Student Research Award: \$350; April 2008
- National Strength and Conditioning Association: Competitive Doctoral Graduate Research Grant; Awarded amount: \$9,795; June 2009
- Vineyard, A; Poe, R; Knoblauch, M. Perceptions of the ability of various healthcare professions to perform specific practice domains. Southwest Athletic Trainer's Association student grant award 2016; Awarded amount: \$500

Non-funded:

- NIH: Ruth Kirchstein *F32* National Research Service Award (NRSA) for Individual Postdoctoral Fellows (Requested: \$101,400); Submitted April 2012
 - Project: Impaired calcium signaling as a mechanism for statin-induced myopathy
- National Athletic Trainers' Association General Grants Program. (Requested \$41,763); Submitted February 2015
 - Project: Oral cavity temperature measurement as a predictor of rectal temperature using handheld infrared thermometers

Professional Service:

Journal Editorial Board:

- Athletic Training Education Journal – 2018 - current

- MAYFEB Journal of Medicine, 2015-current
- Sports Medicine and Rehabilitation Journal, 2016 - current
- Journal of Sports Research, 2016 - current

Invited Journal/Book/Programming Reviewer:

- Introduction to Exercise Science, 3rd Edition. American College of Sports Medicine - 2017
- 2017 Athletic Training Educator's Conference Programmatic Reviewer – 2016
- Oxidative Medicine and Cellular Longevity – 2015
- Journal of Exercise, Sports & Orthopedics – 2014
- Journal of Sports Research – 2014
- Journal of Neurosciences in Rural Practice—2014
- Journal of Novel Physiotherapy and Physical Rehabilitation – 2014
- Journal of Applied Physiology, Nutrition, and Metabolism - 2014
- ACSM's Introduction to Exercise Science; Lippincott, Williams and Wilkins—2008
- Journal of Athletic Training; 2007
- Athletic Training Case Studies; Lippincott, Williams, and Wilkins—2005
- NATA BOC Exam Preparation Book; Lippincott, Williams and Wilkins—2005
- A Professional Guide to Preventing Heart and Other Chronic Disease; LWW—2005

Invited Presentations:

- SWATA Competency Workshop: “Conducting an Effective Orthopedic Evaluation”, January 2018
- SWATA Competency Workshop: “Joint Mobilizations”, January 2017
- Health and Human Performance Faculty Research Day: “Perceptions of various healthcare professions' ability to perform specific practice domains (preliminary data findings), October 2016
- Panelist: Commission on Accreditation of Athletic Training Education annual meeting. Site Visits: Plan B (When things don't go as planned), October 2016
- SWATA Competency Workshop: “Appropriate Care of the Spine Injured Athlete – Update”, January 2016
- SWATA Competency Workshop: “Pharmacology Review for the BOC Exam”, January 2015
- Panelist, University of Houston Faculty Seminar Series: “Sports Concussion Safety and Treatment: Past Present, and Future, 2014

- University of Houston Faculty Seminar Series: “Sudden Cardiac Death in Athletes”, 2014
- Baylor College of Medicine Molecular Physiology and Biophysics Postdoctoral Series: “RyR1 Mutant Mice Exhibit Enhanced Sensitivity to an Acute Dose of Simvastatin”, March 2013
- Baylor College of Medicine Molecular Physiology and Biophysics Postdoctoral Series: “Unraveling the mechanisms behind statin-induced myopathy”, April 2012
- University of Houston Graduate Student Research Day: “Extraction of skeletal muscle membrane cholesterol via sequential aqueous and organic buffers”, October 2010
- University of Houston Graduate Student Research Day: “Sweat Collection for Bone Marker Monitoring: Phase 1 – Protocol Development”. October, 2009
- University of Houston Graduate Student Research Day: “Effectiveness of Population-Specific Electrocardiogram Testing During Athletic Pre-participation Physical Examinations”, October 2008
- University of Houston Graduate Student Research Day: “Validation of capillary sampling versus venous for determination of total CK activity after resistive exercise”; October 2007
- Southeast Texas Athletic Trainer’s Society: “Stretching—The Truth?”, January 2005
- Southeast Texas Athletic Trainer’s Society: “Supplementation in Athletics”, January 2004
- Southeast Texas Athletic Trainer’s Society: “Second Impact Syndrome”; January, 2001
- Christus St. Elizabeth Family Practice Residency, Evaluation of: Shoulder, Elbow/Hand, Hip, Knee, and Ankle; September—November, 2001
- Southwest Athletic Trainer’s Association: “Evaluation of the Hand, Wrist, and Elbow”; Student Program, July, 2002

Professional/University Involvement:

- University of Houston Master of Athletic Training program Faculty Search: Chair, 2017
- National Athletic Trainer’s Association 2017 Symposium Volunteer (registration, speakers)
- Commission on Accreditation of Athletic Training Education Site Visitor, 2017
- National Athletic Trainer’s Association Student Writing Contest Committee, 2017
- SWATA Free Communication and Research Committee, 2016 - current
- Dietetics internship applicant review committee: 2016, 2017
- Professional Master’s Degree Committee: 2015-16
- College of Liberal Arts and Sciences Graduate Committee: 2015-16
- Health and Human Performance Motor Behavior Position 1 Search : 2015
- Health and Human Performance Motor Behavior Position 2 Search: 2015

- Health and Human Performance Scholarship Committee, 2014-15
- College of Liberal Arts and Sciences Education Committee, 2014-15
- Southwest Athletic Trainer's Association (SWATA) Scholarship Committee, 2012 - 2016
- SWATA Competency Workshop – Test Question Editor Subcommittee member, 2014 – current
- SWATA Competency Workshop – Quiz Bowl subcommittee question editor, 2014 – current
- Texas Advisory Board of Athletic Trainers, Practical Examination Room Proctor, 2000-04, 2006-2011
- Texas Advisory Board of Athletic Trainers, Practical Examination Model, 2000
- National Athletic Trainer's Association Annual Symposium Convention Volunteer, Registration Desk; 2002
- NATA Written Examination Proctor, 2006

Non-Professional Appointments

- Secretary, Westbury Civic Club; 2014-15
 - Parliamentarian

Personal/Interests:

- FAA Licensed Private Pilot
- NAUI Certified as Advanced Open Water, Nitrox, and Rescue scuba diver
- Endurance running, Triathlon, Softball, Racquetball

References

Available upon request