

11/2022-04/2024 , All Physical Therapy Tele-PT West Hub
 09/2020-11/2022 , All Physical Therapy Ann Arbor/Dexter MI
 08/2019-09/2020 , All Physical Therapy Ann Arbor MI
 01/2018-08/2019 , All Physical Therapy, Belleville MI
 08/2016-12/2017 , PT Solutions Physical Therapy, Palm Coast
 FL

Peer Reviewed Publications:

., Matheny, M, Kirichenko, N, Salaya, Y, Bruce, E, Toklu, HZ, Carter, CS., Morgan, D, Turner, N, Scapace, PJ 2016 Onset of Leptin Resistance Shows Temporal Differences Related to Dose or Pulsed Treatment. *Eur J Pharmacol*. 2016 May 15; 779:177-85

Toklu, HZ, Miller-Delp, J, Salaya, Y, Oktay, S., Kirichenko, N, Matheny, M, Carter, CS., Morgan, D, Turner, N, Scapace, PJ. High dietary fructose does not exacerbate the detrimental consequences of high fat diet on basilar artery function. *J Physiol Pharmacol*. 2016 Apr; 67(2):205-16

Carter, CS., Khaniss, D, Matheny, M, Toklu, HZ, Kirichenko, N, Turner, N, Scapace, PJ, Morgan, D 2015 Rapamycin Versus Intermittent Feeding Dissociable Effects on Physiological and Behavioral Outcomes When Initiated Early and Late in Life. *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences* Jul; 71(7):866-75

Scapace, PJ, Matheny, M, Toklu, HZ, Kirichenko, N, Carter, CS., Morgan, D, Turner, N 2015 Rapamycin Normalizes Serum Leptin by Alleviating Obesity and Reducing Leptin Synthesis in Aged Rats. *The Journals of Gerontology Series A: Biological Sciences and Medical Sciences* Jul; 71(7):891-9

Matheny, M, King, M, Turner, N, Scapace, PJ 2014 Targeted leptin receptor blockade: role of ventral tegmental area and nucleus of the solitary tract leptin receptors in body weight homeostasis. *Journal of Endocrinology* 222(1): 27-41.

Mazetti, E, Calvani, R, Dupree, J, Lees, HA, Giovannini, S., Seo, DO, Buford, TW, Sweet, K, Morgan, D, Diz, D, Borst, S.E., Moringla, N, Kotova, K, Carter, C.S. 2012 Late life enalapril administration induces nitric oxide dependent and independent metabolic adaptations in the rat skeletal muscle. *AGE* 35(4): 1061-1075

Scapace, E.T, Matheny, M, Shapiro, A, Cheng, KY, Turner, N, Scapace, P.J 2012 Simultaneous introduction of a novel high fat diet and wheel running induces anorexia. *Physiology and Behavior* 105(4):909-14

Peer Reviewed Scientific and Professional Presentations:

Scapace P.J, Matheny MK, Tümer; N 2013 Response to VTA leptin overexpression is partially mediated by leptin receptor activity in the hypothalamus. American Peptide Symposium 2013, Kona, HI Poster:

Matheny, MK, Gomez, M, Scapace, P.J 2012 Blockade of melanocortin 3/4 receptors does not prevent the reduction of high fat diet intake during voluntary wheel running. Society for the Study of Ingestive Behavior Meeting 2012, Zurich, Switzerland Poster:

Shapiro, A, Ryder; D, Tümer; N, Scapace P.J 2011. Fructose induced leptin resistance involves impaired AMPK but intact STAT3 signaling. Obesity Society Meeting 2011, Orlando, FL. & Abstracts of the 19th Annual Meeting of the Society for the Study of Ingestive Behavior (SSIB), 12-16 July 2011, Clearwater, Florida 57, Supplement 1: S40 2011. Poster:

Non Peer Reviewed Scientific and Professional Presentations:

09/10/2024

Evaluation and Treatment of the Orthopedic Patient in Tele-rehabilitation, Continuing Education Course (30CEU), University of South Alabama

Funded/In Review Grant Activity:

Role: Principal Investigator
Direct Costs: \$4516
Title: Validity of Self-Completed Functional Strength Assessment in Virtual Rehabilitation Practice
Co-investigators: Matthew Hassel, OJD, OIRL, CHI; Richard Caharin IV, PT, DPT, PhD
Funding Period: 2024-2025
Agency: Covey College of Allied Health Profession Collaborative Research Support Grant

Role: Principal Investigator
Direct Costs: \$40,000
Title: Validity of Joint Range of Motion Measurement by Tele-rehabilitation Physical Therapists
Funding Period: 2025-2026
Agency: Foundation for Physical Therapy Research Research

Current/Active Research Activity:

Role: Principal Investigator
Title: Self-Completed Functional Strength Assessment in Virtual Rehabilitation
Funding: CORS 2024-25 Grant

Role: Principal Investigator
Title: Validation of Still Image Goniometry for Selected Joint Motion Assessment via Tele-rehabilitation
Funding: Seeking

Role: Principal Investigator

Title: Virtual Delivery of Pelvic Health Physical Therapy on Urinary Incontinence and Fall Risk in Aged Individuals Lacking Access to Care

Co-investigators: Shawn Dale PT PhD, Allyson Shea PhD

Funding Seeking: NHR08

Role: Co-Investigator

Title: Effects of myofascial release of anterior sling on abdominal obliques and contralateral hip adductor muscle strength

Principal Investigator: Shawn Dale PT PhD

Membership in Scientific/Professional Organizations:

10/2013 Current American Physical Therapy Association, Member # 652266

Academy of Orthopaedic Physical Therapy

American Academy of Sports Physical Therapy

11/2007 Current βββ National Biologi ▲

08/23/2024 **ACL Rehab, What Else Could We Possibly Do? APTA AL (2.4 Contact Hours).**

04/09/2024 **Advanced Musculoskeletal Management of the Distal UE, MedBridge Online (1.5 Contact Hours).**

04/09/2024 **Evidence Based Examination of the Elbow, Wrist, and Hand An Update, MedBridge Online (2.0 Contact Hours).**

04/09/2024 **Evidence Based Treatment of the Elbow, Wrist, and Hand An Update, MedBridge Online (1.75 Contact Hours).**

02/02/2024 **Evaluation Strategies for the Pelvic Floor; MedBridge Online (1.5 Contact Hours).**

02/02/2024 **Functions and Dysfunctions of the Pelvic Girdle and Pelvic Floor; MedBridge Online (1.75 Contact Hours).**

02/02/2024 **Orthopedic Connections to Pelvic Floor Dysfunction, MedBridge Online (1.75 Contact Hours).**

02/02/2024 **Treatment Strategies for the Pelvic Girdle and Pelvic Floor; MedBridge Online (1.75 Contact Hours).**

02/01/2024 **Telehealth for Pelvic Health: Creating Accessibility, MedBridge Online (1.75 Contact Hours).**

12/08/2023 **Suicide Care for Physical and Occupational Therapists (2023), MedBridge Online (3.5 Contact Hours).**

11/03/2023 **Evidence Informed Treatment of Shoulder Impingement Syndrome, MedBridge Online (1.0 Contact Hours).**

11/2/2023 **Clinical Practice Guidelines for Diagnosis and Treatment of Concussion, MedBridge Online (1.25 Contact Hours).**

10/06/2023 **Medical Spanish for Rehabilitation Professionals, MedBridge Online (1.0 Contact Hours).**

10/06/2023 **Preoperative Pain Neuroscience Education for Knees and Shoulders, MedBridge Online (1.0 Contact Hours).**

09/27/2023 **Foundations of Implicit and Unconscious Bias, MedBridge Online (1.0 Contact Hours).**

09/27/2023 **The Pain Epidemic and Biopsychosocial Model, MedBridge Online (1.5 Contact Hours).**

04/13/2023 **Effective Interventions for Lower Level Patients, MedBridge Online (1.25 Contact Hours).**

11/15/2022 **Rehabilitation of the Throwing Shoulder; MedBridge Online (1.75 Contact Hours).**

11/15/2022 Return to Sport of the Overhead Athlete, MedBridge Online (2.0 Contact Hours).

11/11/2022 Telehealth Delivering Virtual Interventions, MedBridge Online (1.25 Contact Hours).

11/11/2022 Wheelchair Power/Mobility Assessment: Power Seating, MedBridge Online (1.25 Contact Hours).

11/10/2022 Telehealth Conducting a Virtual Subjective Exam, MedBridge Online (1.25 Contact Hours).

11/10/2022 Telehealth Performing a Virtual Objective Exam, MedBridge Online (1.5 Contact Hours).

11/07/2022 Telehealth An Introduction to Virtual Care, MedBridge Online (1.75 Contact Hours).

08/31/2022 Alabama Physical Therapy Practice Act & Rules, Jurisprudence & Ethics, MedBridge Online (2.25 Contact Hours).

07/08/2022 Rehabilitation Research Boot Camp: Errors, Fraud, & Outliers, MedBridge Online (2.0 Contact Hours).

07/07/2022 Hip Arthroplasty: Improving Gait- An Update, MedBridge Online (1.0 Contact Hours).

07/07/2022 Knee Arthroplasty: Increasing Range of Motion- An Update, MedBridge Online (1.75 Contact Hours).

07/07/2022 Shoulder Arthroplasty: Return to Function- An Update, MedBridge Online (1.75 Contact Hours).

06/29/2022 Current Concepts in Joint Replacement: Following Arthroplasty- An Update, MedBridge Online (2.0 Contact Hours).

06/29/2022 The Athlete's Hip: An Update on Athletic Groin Pain (Recorded Webinar), MedBridge Online (3.0 Contact Hours).

06/29/2022 Troubleshooting Difficult Cases in Joint Arthroplasty, MedBridge Online (1.5 Contact Hours).

06/28/2022 Evidence Based Treatment of the Foot and Ankle: An Update, MedBridge Online (1.25 Contact Hours).

06/19/2022 Social and Cultural Constructs of Pain, MedBridge Online (1.5 Contact Hours).

6/15/2022 Implicit Bias: Strategies to Counter Bias in Clinical Interactions, MedBridge Online (1.0 Contact Hours).

06/06/2022 Differential Diagnosis of Lateral Elbow Pain, MedBridge Online (2.0 Contact Hours).

06/06/2022 Treatment of Lateral Elbow Pain, MedBridge Online (1.5 Contact Hours).

11/28/2021

**Vestibular Compensation Exercises and Clinical Resources, MedBridge
Online (1.0 Contact Hours).**

08/27/2020

Respiratory