

Kevin Yannick Emanuel Strehler PT, DPT, PhD

University of South Alabama
5721 USA Drive North Mobile, AL 36688
(251) 445-9212
kstrehler@southalabama.edu

Education:

- 08/2013-05/2016 **Doctor of Physical Therapy (DPT)**, University of Florida, Gainesville, FL. May 3, 2016.
- 08/2009-08/2013 **Doctor of Philosophy (PhD)** Biomedical Sciences, concentration in Physiology and Pharmacology. University of Florida, Gainesville, FL. Aug 13, 2013.
- 01/2005-05/2009 **Bachelors of Science (BS)** Biology *Summa Cum Laude*, Minnesota State University Mankato, Mankato, MN. May 8, 2009.

Licensure Information:

- 04/2024-Current **Licensed Physical Therapist**, State of Oregon, License# 65224.
- 02/2024-Current **Licensed Physical Therapist**, State of Alaska, License# 220771.
- 02/2024-Current **Licensed Physical Therapist**, State of New Mexico, License# PT-2024-0057.
- 10/2023-Current **Licensed Physical Therapist**, State of Maryland, License# 29677.
- 03/2023-Current **Licensed Physical Therapist**, State of Arizona, License# LPT-32903.
- 02/2023 -Current **Licensed Physical Therapist**, State of Washington, License# PT61382272.
- 01/2023-Current **Licensed Physical Therapist**, State of South Carolina, License# 11730.
- 11/2022-Current **Licensed Physical Therapist**, State of Nevada, License# 5009.
- 10/2022-Current **Licensed Physical Therapist**, State of Texas, License# 1369326.
- 08/2022-Current **Licensed Physical Therapist**, State of Alabama, License# PTH 11004.
- 12/2017-Current **Licensed Physical Therapist**, Sate of Michigan, License# 5501018512.
- 07/2016-Current **Licensed Physical Therapist**, State of Florida, License# PT 31762.

Certifications:

- 10/2023-Current **Credentialed Clinical Instructor Level 1**, American Physical Therapy Association.

Employment and Positions Held:

- 05/2024-Current **Assistant Professor of Physical Therapy**, University of South Alabama Mobile AL. Tenure track faculty.

11/2022-04/2024 **Telerehab Physical Therapist**, ATI Physical Therapy Tele-PT West Hub.

09/2020-11/2022 **Multi-Site Clinic Director**, ATI Physical Therapy Ann Arbor/Dexter MI.

08/2019-09/2020 **Clinic Director**, ATI Physical Therapy Ann Arbor MI.

01/2018-08/2019 **Staff Physical Therapist**, ATI Physical Therapy, Belleville MI.

08/2016-12/2017 **Staff Physical Therapist**, PT Solutions Physical Therapy, Palm Coast FL.

Peer Reviewed Publications:

Strehler, KYE., Matheny, M., Kirichenko, N., Sakarya, Y., Bruce, E., Toklu, HZ., Carter, CS., Morgan, D., Tümer, N., Scarpance, 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., Muller-Delp, J., Sakaraya, Y., Oktay, S., Kirichenko, N., Matheny, M., Carter, CS., Morgan, D., **Strehler, KYE.**, Tumer, N., Scarpance 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., Khamiss, D., Matheny, M., Toklu, HZ., Kirichenko, N., **Strehler, KYE.**, Tümer, N., Scarpance, 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.

Scarpance, PJ., Matheny, M., **Strehler, KYE.**, Toklu, HZ., Kirichenko, N., Carter, CS., Morgan, D., Tümer, 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., **Strehler, KYE.**, King, M., Tümer, N., Scarpance, 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.

Marzetti, E., Calvani, R., Dupree, J., Lees, H.A., Giovannini, S., Seo, DO, Buford, T.W., Sweet, K., Morgan, D., **Strehler, KYE.**, Diz, D., Borst, S.E., Moningka, N., Krotova, 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.

Scarpance, E.T., Matheny M., **Strehler, KYE.**, Shapiro A., Cheng, K.Y. Tümer, N., Scarpance 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:

Scarpace P.J., Matheny M.K., **Strehler KYE.**, 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.

Strehler, KYE., Matheny, M.K., Gomez, M., Scarpace, 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., **Strehler, KYE.**, Ryder, D., Tümer, N., Scarpace 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

Strehler, KYE., Evaluation and Treatment of the Orthopedic Patient in Telerehabilitation, Continuing Education Course (3.0CEU), 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 Hassell, OTD, OTR/L, CHT; Richard Caharin IV, PT, DPT, PhD
Funding Period: 2024-2025
Agency: Covey College of Allied Health Profession Collaborative Research Support Grant

Funded

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

In Review

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 Telerehabilitation
Funding: Seeking Foundation for Physical Therapy Research

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 Drake PT PhD, Allyson Shea PhD
Funding: Seeking NIH R03

Role: Co-Investigator
Title: Effects of myofascial release of anterior sling on abdominal obliques and contralateral hip adductor muscle strength
Principal Investigator: Shawn Drake 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 Biological Honor Society

Consultative and Advisory Positions Held:

6/2024-Current Clinic Coordinator- Allied Health Physical Therapy Clinic, University of South Alabama, USA Health.

Community Service:

05/2024-Current Physical Therapist, Victory Health, Mobile, AL.

Services to the University/College/School on Committees/Councils/Commissions:

University-wide:
08/2010-08/2011 **Graduate Student Council Representative**, University of Florida.

College:
09/2024 **Research and Scholarly Activities Committee**, College of Allied Health Professions, University of South Alabama.

01/2012-07/2012 **College of Medicine Student Advocacy Committee**, University of Florida.

Department:
09/2024-Current **Faculty Search Committee**, Department of Physical Therapy, University of South Alabama

05/2024-Current **Department of Physical Therapy Curriculum Committee**, University of South Alabama.

05/2024-Current **Department of Physical Therapy Scholarship Committee**, University of South Alabama.

05/2024-Current **Department of Physical Therapy Assessment Committee**, University of South Alabama.

- 01/2014-10/2014 **University of Florida Department of Physical Therapy/Student Physical Therapy Association Race for Rehab, Co-Chair**, University of Florida.
- 08/2011-08/2013 **Interdisciplinary Program in Biomedical Sciences Advisory Board Student Member**, University of Florida.
- Profession:
- 05/2024-Current **Reviewer-Contributor**, Telerehab measures, American Physical Therapy Association Tests and Measures Group.
- 05/2024-Current **Education Committee Member**, Alabama Physical Therapy Association

Honors and Awards:

- 2024 **New Faculty Scholars Program**, Innovation in Learning Center, University of South Alabama.
- 2022 **Clinical Excellence Award-Top 100 clinician** for delivery of patient reported outcome measures exceeding predicted recovery, ATI Physical Therapy.
- 2015 **Rolf and Anne Kuhns Endowment for Physical Therapy Scholarship**, College of Public Health and Health Professions Department of Physical Therapy, University of Florida.
- 2013 **Course Fellowship**, University of Florida College of Public Health and Health Professions.
- 2009-2012 **Alumni Graduate Fellowship**, University of Florida College of Medicine.
- 2009-2001 **Dr. Linton E. Grinter Graduate School Fellowship** University of Florida College of Medicine.
- 2008 **Donald Brinkman Memorial Scholarship**, College of Science Engineering and Technology, Minnesota State University, Mankato.
- 2008 **Biology Department Scholarship**, College of Science Engineering and Technology, Minnesota State University, Mankato.
- 2007 **Nor/Am Minnegasco Scholarship**, College of Science Engineering and Technology, Minnesota State University, Mankato.

Continuing Education Attended:

- 08/27/2024 Documentation and Payment Principles: 2024 Update, University of South Alabama- Department of Physical Therapy (3.0 Contact Hours).
- 08/25/2024 Clinical Reasoning: Improve Your Decision Making with an Emphasis on the Outpatient Orthopaedic Setting, APTA AL (4.8 Contact Hours)
- 08/25/2024 Professional Issues: What Does This New Direct Access Mean to Physical Therapy Practice in the State of Alabama, APTA AL (1.0 Contact Hours).
- 08/24/2024 A Person-Centered OMPT Approach to Cervical Spine Management, APTA AL (7.2 Contact Hours).

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).
03/27/2020	Respiratory Muscle Physiology, MedBridge Online (1.5 Contact Hours).
03/25/2020	Dysfunctional Breathing Part 1: Background Information and Assessments, MedBridge Online (1.75 Contact Hours).
03/25/2020	Dysfunctional Breathing Part 2: Intervention Strategies, MedBridge Online (1.75 Contact Hours).
3/23/2020	Management of the Critically Ill Aging Client with Type 1 Respiratory Failure, MedBridge Online (1.75 Contact Hours).
03/23/2020	Physical Therapist Exercise Treatment of Chronic Lung Disease, MedBridge Online (2.5 Contact Hours).
01/08/2020	Returning the Injured Athlete to Sports: Foot, Ankle, and Orthotics, MedBridge Online (2.5 Contact Hours).
01/08/2020	Returning the Injured Athlete to Sports: New Concepts in ACL Rehabilitation, MedBridge Online (2.0 Contact Hours).
12/05/2019	Returning the Injured Athlete to Sports: Lower Limb, Trunk, and Hip, MedBridge Online (3.0 Contact Hours).
12/04/2019	Foundations of Returning the Injured Athlete to Sports: Muscle Physiology, Strength Training, and Eccentric Loading, MedBridge Online (4.25 Contact Hours).
07/23/2019	Warning Signs and the Perception of Pain, MedBridge Online (2.0 Contact Hours).