

# Kevin Yannick Emanuel Strehler PT, DPT, PhD

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## 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., Moninga, 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).