

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:

- 04/2024-3/2026 **Licensed Physical Therapist**, State of Oregon, License# 65224.
- 02/2024-6/2026 **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 -2/2026 **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:

- 7/2026-6/2036 **Board-Certified Clinical Specialist in Orthopaedic Physical Therapy**, American Board of Physical Therapy Specialties, Certificate# OR261677.
- 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:

Cooper, C. M, Brock, C. W., Keeton, P., **Strehler, KYE.** 2026. Examining Student Personality and Group Dynamics within Interprofessional-Education Event Design. Association of Schools Advancing Health Professions 2026, 28 October 2026, Nashville, TN. Poster

Waldhelm, A., Miramontes, J., Colvin, H., Edward, A., **Strehler, KYE.**, Colquhoun, R.J. 2026. Relationship Between Single-limb Upper- and Lower-extremity Power Tests in Collegiate Baseball Players. 2026 NSCA National Conference. 09 July, 2026. New Orleans, LA. Poster

Strehler, KYE., Brock, C. W., Keeton, P., Cooper, C. M. 2026. Examining Student Personality and Group Dynamics within Interprofessional-Education Event Design. 16th Annual South Alabama Conference on Teaching and Learning, 12 May 2026, University of South Alabama, Mobile, AL. Oral Presentation.

Largue, J. B., Fraction, S. L., Drake, S. M., McAdams, E. N., Powell, M., **Strehler, KYE.** 2025. Comparing Virtual and In-Person Interprofessional Perceptions between PT and PA Students. Association of Schools Advancing Health Professions 2025, 15 October 2025, Indianapolis, IN. Poster

Fletcher, J., **Strehler, KYE.** 2025. Integrating Mental Health into Physical Therapy Practice: Expanding out Scope, Elevating Outcomes. APTA Alabama Annual Conference, 13 September 2025, Mobile, AL. CEU Course (4.8 CEU)

Strehler, KYE. 2025. Beyond the Clinic: A Guide to Telerehabilitation Evaluation and Treatment of the Orthopedic Patient. APTA Alabama Annual Conference, 12 September 2025, Mobile, AL. CEU Course (2.4CEU)

Fraction, S. L., Drake, S. M., McAdams, E. N., Largue, J. B., **Strehler, KYE.**, Powell, M., 2025. Comparing Virtual and In-Person Delivery of Collaborated Care: An Interprofessional Education Research Event for Physical Therapy and Physician Assistant Students. Conference on Teaching and Learning (COTL), 14 May 2025, University of South Alabama, Mobile, AL. Panelist.

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:

- 10/23/2025 Lilley, A., **Strehler, KYE.**, Drake, S. M. Cued Exercise for Shoulder Stability in Adolescent Swimmers. 27th Annual Undergraduate Research Symposium, University of South Alabama, Mobile Alabama. Poster
- 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
Not Funded

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: Use of single-entry question for psychosocial screening of adults in outpatient physical therapy
Funding: NA

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

Role: Principal Investigator
Title: Influence of Self-Selected Personality Type and Group Dynamics within an IPE Simulation Event
Funding: NA

Role: Principal Investigator
Title: The Effects of an External Cue-Based Shoulder Stabilization Exercise Program on Upper Extremity Performance in Swimmers: A Closed Kinetic Chain Evaluation
Funding: NA

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
Academy of Education

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:

05/2024-05/2026 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-Current **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:
11/2025-Current **Chair, Education Committee**, Alabama Physical Therapy Association
- 05/2024-5/2025 **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.

Academic Teaching:

University of South Alabama Department of Physical Therapy:

- Fall 2026 PT631 Musculoskeletal Disorders I, Course Coordinator
PT685 Management in Physical Therapy, Course Coordinator
PT634 Musculoskeletal Disorders IV, Instructor
- Summer 2026 PT619: Therapeutic Exercise, Course Coordinator
PT633 Musculoskeletal Disorders III, Instructor
PT635 Musculoskeletal Disorders V, Instructor

Spring 2026	PT631 Musculoskeletal Disorders I, Course Coordinator PT613 Clinical Case Report, Instructor PT632 Musculoskeletal Disorders II, Instructor PT625 Therapeutic Intervention, Instructor PT687: Collaborative Practice in Physical Therapy, Instructor
Fall 2025	PT610 Principles of Research and EBP, Course Coordinator PT685 Management in Physical Therapy, Course Coordinator PT634 Musculoskeletal Disorders IV, Instructor
Summer 2025	PT619: Therapeutic Exercise, Course Developer/Coordinator PT633 Musculoskeletal Disorders III, Instructor PT635 Musculoskeletal Disorders V, Instructor
Spring 2025	PT631 Musculoskeletal Disorders I, Course Coordinator PT625 Therapeutic Intervention, Course Coordinator PT632 Musculoskeletal Disorders II, Instructor
Fall 2024	PT610 Principles of Research and EBP, Course Coordinator PT634 Musculoskeletal Disorders IV, Instructor PT621 Introductory PT Skills, Instructor
Summer 2024	PT633 Musculoskeletal Disorders III, Instructor PT635 Musculoskeletal Disorders V, Instructor