

2025 Edition

ALUMNI NEWSLETTER

University of Iowa Department of
Physical Therapy &
Rehabilitation Science

Message from the Chair

New Space Complements our Mission

Over 43 years I have enjoyed the opportunity to hone my craft in many physical locations at the University of Iowa: Oakdale Campus, Westlawn Building, Steindler Building, Medical Education Building (the old Psych Hospital), Carver Pavilion, North Tower, and Pappajohn Pavilion to name a few. And now, in less than one year, Physical Therapy and Rehabilitation Sciences will move into another space: a brand-new Health Sciences Academic Building. Our new home on Melrose Avenue will be in a prime West Campus location, adjacent to University of Iowa Health Care and our Carver College of Medicine. We are excited about the opportunities that a state of the art clinical, educational, and research facility offers, and we appreciate the unwavering support for this building from leadership.

Some have inquired whether our mission will change with the new space. Our mission is to prepare a clinical and scientific workforce to lead patients, health systems, and a diverse society toward greater health. We cultivate excellence in education and clinical practice, discover and disseminate new knowledge, and develop leaders who serve our profession and society. Our principles focus on recruiting creative people, promoting operational efficiency, pursuing innovative discovery, and offering high-value DPT, PhD, and MA degrees. Our strategies to address our present and future needs advance our profession, the Carver College of Medicine, University of Iowa Health Care, and the University of Iowa. Our pursuit of excellence is guided by our own citizenship and grounded by our [core values](#).

In summary, our mission will not change. The new Health Sciences Academic Building complements our mission and offers our faculty, staff, community stakeholders, and our students a stable home for many years to come.

Rich Shields PT, PhD, FAPTA

Chair and Department Executive Officer

Department of Physical Therapy and Rehabilitation Science

Health Sciences Academic Building Update



Construction on the Department's future home, the Health Sciences Academic Building, reached an important milestone in July: a "topping out" ceremony that marked the completion of the building's internal structure. Steel workers, architects, construction managers, and members of the University community all signed the final beam before it was lifted into place. Dr. Rich Shields and Dr. Stacey DeJong represented our Department at this event.

The Health Sciences Academic Building will offer flexible spaces and technology that instructors can use to seamlessly integrate lecture, hands-on practical training, and patient simulation. Research laboratories will facilitate collaborative opportunities with two other highly-ranked academic programs, as well as provide convenient access for research participants with mobility impairments. Student well-being is a priority, with dedicated spaces for study and team learning and with nearby access to greenspace and exercise facilities.

The building is scheduled for occupancy in 2026. We're excited to carry forward our Department's mission within this new space.



Dr. Shields signed the final steel beam on behalf of our faculty, staff, students, and alumni.

UI Reception at CSM 2025

University of Iowa PT alumni and friends are invited to a reception at the 2025 APTA Combined Sections Meeting in Houston.

If you'll be at CSM, please plan to attend!

February 13, 2025
7:00 - 9:00 PM

George R. Brown Convention Center
1001 Avenida De Las Americas
Room 371 ABC

National Benchmarks Support Program Re-Accreditation

Iowa PT faculty lead the Benchmarking in Physical Therapy Education

study, a longitudinal, multi-site effort to develop nationally representative benchmarks for DPT student experiences within the learning environment. Now in its 6th year, the study includes 130 programs and captures data from over 3,000 graduating students annually via the PT-GQ™ survey.



Dr. Kevin Garrison, Chair of the DPT program at University of Central Arkansas, explained the value of study participation: “The PT-GQ is invaluable to our program assessment as our school report provides longitudinal, comprehensive data that has evolved across the various waves to align with CAPTE accreditation standards....The benchmarks enable DPT programs to identify areas for improvement, align with CAPTE expectations, and maintain the integrity of the profession.”

Dr. Rebecca Craik, Dean Emeritus of the Arcadia University DPT program said “The data gathered from our students has been invaluable and replaced several other tools. The program's longitudinal data help to assess the effect of curricular and program changes as well as the extent of compliance with accreditation standards.”

Dr. Craik continued: “Benchmarking [to] other programs provides a "real" context of our performance and assists in developing a rationale for necessary change. The results are not only useful in preparing the self-study; the results also provide quantitative support when requesting additional University resources.”

Dr. Steven Ambler, Division Director of Education at Washington University in St. Louis, emphasized the ways that PT-GQ study participation gives their program an edge in a highly metrics-driven healthcare education environment: “The PT-GQ has provided our faculty with critical information to continuously improve our curriculum and our learning environment. In addition, it has raised the profile of Physical Therapy amongst the other health professions within our institution that collect and respond to benchmark data to continuously improve.”

The Benchmarking in Physical Therapy Education study is piloting a new web-based DPT program portal and data analysis system. Improvements will include graphical output of results and the ability to benchmark to multiple years of data. The study team appreciates the commitment of enrolled programs in this groundbreaking effort and [welcomes inquiries from interested schools](#).



Alumni Updates

Alumni, we want to hear from you...please use [this link](#) or the QR code to keep us posted on all your latest personal and professional milestones!



Sluka Receives Carver Chair Professorship, NIH HEAL Award

Dr. Kathleen Sluka has been named a Roy J. Carver Chair in Neuroscience through the Iowa Neuroscience Institute and the Department of Physical Therapy and Rehabilitation Science. This honor recognizes Dr. Sluka's standing as a global leader in pain neuroscience and non-pharmacological treatments for chronic pain. The Iowa Neuroscience Institute, funded by a \$45 million gift from the Roy J. Carver Charitable Trust, creates collaborative research opportunities for scholars from 26 University Departments in 8 Colleges.

In 2024, Dr. Sluka was chosen as one of six recipients of the NIH Helping to End Addiction Long-Term (HEAL) Award for Mentorship. This award recognizes HEAL-funded researchers who demonstrate exceptional commitment to the development and mentorship of early career scientists whose work supports solutions to the opioid crisis.

Kathleen Sluka PT, PhD, FAPTA

Faculty Receive Awards

Dr. Carol Vance received the Award of Excellence in Research from the Academy of Clinical Electrophysiology & Wound Management at the 2024 APTA Combined Sections Meeting in Boston. As a team scientist in Dr. Kathleen Sluka's laboratory, Dr. Vance oversees clinical trials of non-pharmacologic treatments for pain (eg. transcutaneous electrical stimulation, exercise), in a variety of patient populations.



Carol Vance PT, PhD

Three Department faculty received awards at the 2024 APTA Leadership Congress in Kansas City. Dr. Rich Shields received the Jules M. Rothstein Golden Pen Award for Scientific Writing, recognizing published authors in Physical Therapy & Rehabilitation Journal (PTJ) whose writing has broadened perspectives within the profession. He and Dr. Shauna Dudley-Javoroski received the 2023 Chattanooga Research Award for an outstanding publication in PTJ, "[Epigenetics and the International Classification of Functioning, Disability and Health Model: Bridging Nature, Nurture, and Patient-Centered Population Health](#)".

Dr. Ruth Chimenti received the 2024 Eugene Michaels New Investigator Award, recognizing independent and collaborative research activities that have a present or future impact upon the profession. Together with coauthors (including Iowa faculty members Dr. Kathleen Sluka and Dr. Jason Wilken and 2024 PhD graduate Dr. Andrew Post), she received the 2024 Chattanooga Research Award for the PTJ paper "[Efficacy of Telehealth for Movement-Evoked Pain in People with Chronic Achilles Tendinopathy: A Noninferiority Analysis](#)."



Iowa PT faculty Dr. Ruth Chimenti, Dr. Shauna Dudley-Javoroski, Dr. Rich Shields, and past APTA President Roger Herr PT, MPA



Kelly Sass PT, PhD

Kelly Sass Retirement

In conjunction with the annual Education Summit and Golf Outing, the Iowa PT family commemorated the retirement of Kelly Sass, PT, PhD, after 27 years of service to the Department.

Kelly completed her MPT degree at Iowa in 1993 and worked as a physical therapist in Cedar Rapids. She joined the Department in 1997, teaching many of the core clinical skills courses within the curriculum. Kelly became a coordinator of our clinical education program in 2002, a role which she continued throughout her career. She forged partnerships with dozens of physical therapy clinics in Iowa and throughout the country, helping ensure that our students always had access to the highest quality clinical instruction in a broad range of settings and patient populations.

Kelly completed a PhD in Educational Psychology in 2016 and she served as a knowledgeable mentor to many new educators who joined the Department.

She was well-loved by our students and was a source of warmth, caring, and good humor within our shared Department culture. We wish Kelly and her family all the very best as they begin their next adventures!



Team Sass at the 2024 Student Scholarship Golf Outing

2024 Iowa Educational Summit

On October 4, students, faculty, and members of Iowa's PT clinical community attended the 11th-annual Iowa Educational Summit. This year's event focused on **"Innovation for Reimbursement in a Troubled Health Care System."**

Robb Gardner, PT, MHL, ATC, Chief of Staff of the Iowa Hospital Association, presented current data on fiscal pressures facing Iowa hospitals, culminating in 2024 with the first two hospital closures in over 25 years. Systems-wide solutions for these fiscal pressures include strong revenue cycle management, hospital policies that emphasize staff well-being, and prudent use of technological innovations that enhance administrative efficiency.

Jon Van Der Veer DO, MBA and **Carl Behne**, President and Chief Strategy Officer of Hy-Vee Health Exemplar Care, explained how direct primary and urgent care can sidestep the shortcomings of conventional insurance plans. For both individual members and enrolled employers, evidence is emerging that high-quality direct primary care can yield higher patient satisfaction and better patient outcomes, in large part because barriers to preventive care and to timely intervention are minimized.

Chris Bayer CLF, REBC-SVP, and **Chris Boling PPACA-SVP**, representing the national insurance brokerage firm Assured Partners, provided background on "self-funded" insurance plans, in which an employer pays healthcare costs that exceed an employee's deductible. Appealing features of these plans for employees are greater access to wellness and prevention services (these reduce employer costs and are thus incentivized by employers), fewer prior authorization barriers, fewer limits on physical therapy services, and greater affordability.

Randy Boldt PT, CFO of Rock Valley Physical Therapy, expanded on how PT clinics can offset declining insurance reimbursement by partnering with employers who use self-funded insurance plans which incentivize preventive services. Rock Valley offers these services via their interprofessional team of exercise specialists, nutritionists, and physical therapists. Rapid access to appointments and virtual visits for musculoskeletal issues enable employees to avoid emergency room visits, reducing a key expense for enrolled employers.

The Summit concluded with an open forum Q&A session with all of the speakers.

SAVE THE DATE!
2025 Education Summit
Friday, October 10

A golf outing supporting student scholarships will follow in the afternoon!



PhD Degrees Awarded



Andrew Post DPT, OCS, FAAOMPTBS successfully defended his doctoral dissertation titled “Achilles Tendon Pain: Patient Treatment Innovation and Unraveling Immune System Contributions”. His dissertation committee consisted of Ruth Chimenti (chair), Kathleen Sluka, Katie Hadlandsmyth, Jason Wilken, Laura Frey Law, and Cesar de Cesar Netto.



Mike Shaffer PT, MSPT, OCS, ATC successfully defended his doctoral dissertation titled “Assessing Clinical Outcome, Measuring Sensorimotor Control, and Providing Different Forms of Limb Feedback: Implications for Shoulder Rehabilitation.” His dissertation committee consisted of Rich Shields (chair), Laura Frey Law, Danny Foster, and Brian Wolf.



Lei Zhu, BS, successfully defended her doctoral dissertation titled “Neuromodulation Parameters for Non-invasive Magnetic Stimulation of the Cervicothoracic Spine.” Her dissertation committee consisted of Rich Shields (co-chair), Stacey DeJong (co-chair), Ruth Chimenti, Laura Frey Law and Hannah Roeder.

2023 and 2024 Graduates Receive Scholarships

Thanks to the generosity of alumni and friends of the Department, each student in our two most recent graduating classes received scholarship support during their studies. This included support for all students to attend CSM in 2023 and 2024, respectively.

Several awards are made annually in honor of former Iowa Physical Therapy & Rehabilitation Science faculty and staff:

- **Byron E. Bork Dedication to Education & Service Scholarship:** Justin Grevengoed ('23), Brianne Babcock ('24)
- **David G. Gerleman DPT Applied Engineering Award:** David Benthem ('23), Jordan De Groot ('23), Julia Hansen ('23), Maya Deuso ('24)
- **First in Family Honor:** Casey Van Natta ('23), Andrew Charney ('24)
- **Judy Biderman Professionalism Award:** Jacob Barker ('23), Nicholas Marnin ('24)
- **Thomas M. Cook Scholarship for Innovation and Creativity:** Justin Alpers ('24)

The following awards recognize academic achievement and outstanding clinical performance. Most were made possible by generous contributions from individual and corporate donors:



DPT Class of 2023

- **Alumni Scholarships:** Nathan Keele ('23), Heather Thovson ('23), Emma Brooks ('24), Kyla Kessler ('24)
- **Boldt Family Professional Service Award:** Daniela Perret ('23), Alexander Gaffney ('24)
- **Frank and Marion Hazelton Memorial Scholarships:** Jacob Norton ('23), Rachel Tebbe ('23), Justin Alpers ('24), Nicholas Marnin ('24)
- **ILEND Trainee Scholarship Award:** McKenna Johnson ('23), Alexis Shaffer ('23), Ryan Spence ('24)
- **Jean Hammill Scholarship for Physical Therapy:** Joshua Dueker ('23), Adela Henry ('23), Karianna Turk ('24), Allen Vis ('24)
- **Kepros Physical Therapy Scholarship:** Joseph Welling ('23), Mackenzie O'Neil ('24)
- **Kincart Family Rural PT Scholarship:** Maria Carrera ('23), Adam Mueller ('23), Emma Brooks ('24), Ryan Spence ('24)
- **Louis & Dorothy Laubenthal Memorial Scholarships:** Justin Grevengoed ('23), McKenna Johnson ('23), Brianna Krokaugger ('23), Haley Rodgers ('23), Alexis Shaffer ('23), Matthew Bohan ('24), Andrew Charney ('24), Anthony Gaziano ('24), Joseph Harkins ('24), Maddison Jansen ('24)
- **Marilyn M. McCoid Scholarships:** Kelsey Kinkade ('23), Casey Van Natta ('23), Andrew Charney ('24), Maxim Kleinschmit ('24), Cody Rickard ('24)
- **Mary Lou Fairchild Clinical Excellence Award:** DaLana Kron ('23), Alyssa Wing ('24)
- **Norman and Ruth Goldman Scholarships:** Taylor Hansen ('23), Adela Henry ('23), Anna Parr ('24), Logan Wachter ('24)
- **Rock Valley Physical Therapy Scholarship:** Adela Henry ('23), Lauren Meyers ('24)
- **Team Iowa Physical Therapy Award:** Taylan Entriken ('23), Jess Williams ('23), Rowan Schlarman ('24), Ryan Spence ('24)
- **Tracy Dahl Memorial Scholarships:** Nickolas Bernhagen ('23), Joshua Dueker ('23), Hannah Greenlee ('23), Julia Hansen ('23), McKenna Johnson ('23), Nathan Keele ('23), Kelsey Kinkade ('23), Abby Larsen ('23), Sydney Lear ('23), Clare Morehouse ('23), Keely Paus ('23), Haley Rodgers ('23), Courtney Sandell ('23), Alexis Shaffer ('23), Casey Van Natta ('23), Ashley Wehrenberg ('23), Joseph Welling ('23), Jess Williams ('23), Morgan Brinning ('24), Maya Deuso ('24), Bennett Goetsch ('24), Jennifer Haley ('24), Brittany Hegstad ('24), David Labriola ('24), Jolie Lannin ('24), Nicholas Marnin ('24), Jacob Morris ('24), Mackenzie O'Neil ('24), Camryn Pacholski ('24), Emily Ramseyer ('24), Cody Rickard ('24), Joshua Ruth ('24), Rowan Schlarman ('24), Karianna Turk ('24), Alyssa Wing ('24)
- **Award for Superior Achievement in Human Anatomy for Physical Therapists:** Julia Hansen ('23), Nicholas Marnin ('24)
- **W.R. Ingram Award for Superior Achievement in Functional Neuroanatomy:** Erika Feenstra ('23), Emma Brooks ('24)



DPT Class of 2024

The following individuals received support for experiential learning, leadership training, and professional development:

- **Leadership Recognition Awards:** Teryn Falk ('23), DaLana Kron ('23), Madison Stoaks ('23), Connor Swim ('23), Veronica Tannenbaum ('23), Justin Alpers ('24), Anneliese Barton ('24), Kody Brinker ('24), Jared DeFriend ('24), Alexander Jarvis ('24), Ben Smogard ('24)
- **Student Orientation Scholarships:** Jacob Barker ('23), Nickolas Bernhagen ('23), Tyler Colgan ('23), Jordan De Groot ('23), Nicole Durkee ('23), Adela Henry ('23), Kelsey Kinkade ('23), Jacob Norton ('23), Daniela Perret ('23), Evan Smith ('23), Madison Stoaks ('23), Rachel Tebbe ('23)
- **Service Scholarships:** Clare Morehouse ('23), Casey Van Natta ('23), Ashley Wehrenberg ('23)

- **Community Member Experiential Awards:** Jacob Barker ('23), David Benthem ('23), Nickolas Bernhagen ('23), Maria Carrera ('23), Tyler Colgan ('23), Jordan De Groot ('23), Katherine Douglas ('23), Joshua Dueker ('23), Nicole Durkee ('23), Taylan Entriken ('23), Teryn Falk ('23), Erika Feenstra ('23), Hannah Greenlee ('23), Justin Grevengoed ('23), Julia Hansen ('23), Sarri Happel ('23), Haleigh Houston ('23), Brianna Krokaugger ('23), Abby Larsen ('23), Sydney Lear ('23), Alexandria Lewis ('23), Griffen McBride ('23), Clare Morehouse ('23), Jacob Norton ('23), Keely Paus ('23), Courtney Sandell ('23), Evan Smith ('23), Rachel Tebbe ('23), Heather Thovson ('23), Ashley Wehrenberg ('23), Justin Alpers ('24), Brienne Babcock ('24), Anneliese Barton ('24), Emma Braunbeck ('24), Morgan Brinning ('24), Emma Brooks ('24), Jared DeFriend ('24), Megan Downs ('24), Kaitlin Feda ('24), Peyton Flynn ('24), Jennifer Haley ('24), Kailey Heemskerk ('24), Brittany Hegstad ('24), Alexander Jarvis ('24), Kyla Kessler ('24),

Maxim Kleinschmit ('24), Jordan Klonke ('24), David Labriola ('24), Nicholas Marnin ('24), Lauren Meyers ('24), Jacob Morris ('24), Camryn Pacholski ('24), Anna Parr ('24), Emily Ramseyer ('24), Cody Rickard ('24), Colin Schuetz ('24), Ben Smogard ('24), Ryan Spence ('24), Allen Vis ('24), Samantha Weber ('24), Ian Woodward ('24)

• **Community Member Trainer Awards:** Jacob Barker ('23), Katherine Douglas ('23), Sarri Happel ('23), Brianna Krokaugger ('23), Sydney Lear ('23), Alexandria Lewis ('23), Jacob Norton ('23), Courtney Sandell ('23), Megan Downs ('24), Kailey Heemskerck ('24), Brittany Hegstad ('24), Alexander Jarvis ('24), Cody Rickard ('24), Colin Schuetz ('24), Ben Smogard ('24)

• **Soderberg & Shields Advisory Scholarships:** Jacob Barker ('23), Nickolas Bernhagen ('23), Maria Carrera ('23), Katherine Douglas ('23), Nicole Durkee ('23), Justin Grevengoed ('23), Julia Hansen ('23), Taylor Hansen ('23), Haleigh Houston ('23), McKenna Johnson ('23), Nathan Keele ('23), Kelsey Kinkade ('23), DaLana Kron ('23), Sydney Lear ('23), Alexandria Lewis ('23), Griffen McBride ('23), Clare Morehouse ('23), Adam Mueller ('23), Jacob Norton ('23), Keely Paus ('23), Daniela Perret ('23), Haley Rodgers ('23), Courtney Sandell ('23), Alexis Shaffer ('23), Veronica Tannenbaum ('23), Rachel Tebbe ('23), Casey Van Natta ('23), Ashley Wehrenberg ('23), Joseph Welling ('23), Jess Williams ('23), Justin Alpers ('24), Brianne Babcock ('24), Anneliese Barton ('24), Morgan Brinning ('24), Emma Brooks ('24), Andrew Charney ('24), Maya Deuso ('24), Megan Downs ('24), Anthony Gaziano ('24), Brittany Hegstad ('24), Maxim Kleinschmit ('24), David Labriola ('24), Lauren Meyers ('24), Camryn Pacholski ('24), Anna Parr ('24), Emily Ramseyer ('24), Cody Rickard ('24), Joshua Ruth ('24), Colin Schuetz ('24), Ben Smogard ('24), Ryan Spence ('24), Samantha Weber ('24), Ian Woodward ('24)

Congratulations to all our 2023 and 2024 graduates, and best of luck in your PT careers!

Faculty Publications for 2024:

Becker ML, Shields RK, Sass KJ. Psychometric analysis of an integrated clinical education tool for physical therapists. *J Phys Ther Educ.* 2024 Apr 30. PMID: 38684094. doi: 10.1097/JTE.0000000000000341

Murphy M, McCleary F, Hince D, **Chimenti RL**, Chivers P, Vosseler T, Nimphius S, Mkumbuzi N, Malliaras P, Maffulli N, De Vos RJ, Rio E. TENDINopathy Severity assessment – Achilles (TENDINS-A): evaluation of reliability and validity in accordance with COSMIN recommendations. *Br J Sports Med.* 2024 May 31;58(12):665-673. PMID: 38575200. DOI: 10.1136/bjsports-2023-107741

Chimenti RL, Hall MM, Vosseler JT. Diagnostic Imaging for Achilles Tendinopathy: Unnecessary Scans? Valuable Insights? Multidisciplinary Clinician-Scientists Present a Nuanced View. *J Orthop Sports Phys Ther.* 2024 Jan;54(1):6-9. PMID: 37970634. doi: 10.2519/jospt.2023.12255

Stubbs C, McAuliffe S, **Chimenti RL**, Coombes BK, Haines T, Heales L, de Vos RJ, Lehman G, Mallows A, Michner LA, Millar NL, O'Neill S, O'Sullivan K, Plinsinga M, Rathleff M, Rio E, Ross M, Roy JS, Silbernagel KG, Thomson A, Trevail T, van den Akker-Scheek I, Vicenzino B, Vlaeyen JWS, Pinto RZ, Malliaras P. Which Psychological and Psychosocial Constructs Are Important to Measure in Future Tendinopathy Clinical Trials? A Modified International Delphi Study With Expert Clinician/Researchers and People With Tendinopathy. *J Orthop Sports Phys Ther.* 2024 Jan;54(1):14-25. PMID: 37729020. doi: 10.2519/jospt.2023.11903

Murphy MC, Newsham-West R, Cook J, **Chimenti RL**, de Vos RJ, Maffulli N, Malliaras P, Mkumbuzi N, Purdam C, Vosseler JT, Rio EK. TENDINopathy Severity Assessment - Achilles (TENDINS-A): Development and Content Validity Assessment of a New Patient-Reported Outcome Measure for Achilles Tendinopathy. *J Orthop Sports Phys Ther.* 2024 Jan;54(1):70-85. PMID: 37615161. doi: 10.2519/jospt.2023.11964

Butera KA, **Chimenti RL**, Alsouhibani AM, Berardi G, Booker SQ, Knox PJ, Post AA, Merriwether EN, Wilson AT, Simon CB. Through the Lens of Movement-Evoked Pain: A Theoretical Framework of the "Pain-Movement Interface" to Guide Research and Clinical Care for Musculoskeletal Pain Conditions. *J Pain.* 2024 Feb 3;S1526-5900(24)00366-3. PMID: 38316243. doi: 10.1016/j.jpain.2024.01.351

Fleagle TR, Post AA, Dailey DL, **Vance CGT**, Zimmerman MB, Bayman EO, Crofford LJ, **Sluka KA, Chimenti RL**. Minimal Clinically Important Change of Movement Pain in Musculoskeletal Pain Conditions. *J Pain.* 2024 Mar 12;S1526-5900(24)00424-3. PMID: 38479557. doi: 10.1016/j.jpain.2024.03.003

De Vos RJ, Silbernagel KG, Malliaras P, Visser TS, Alfredson H, van den Akker-Scheek I, Van Ark M, Brorsson A, **Chimenti RL**, Docking S, Eliasson P. ICON 2023: International Scientific Tendinopathy Symposium Consensus-the core outcome set for Achilles tendinopathy (COS-AT) using a systematic review and a Delphi study of professional participants and patients. *Br J Sports Med.* 2024 Oct 1;58(20):1175-86

Chimenti RL, Neville C, Houck J, Cuddeford T, Carreira D, Martin RL. Achilles Pain, Stiffness, and Muscle Power Deficits: Midportion Achilles Tendinopathy Revision - 2024. *J Orthop Sports Phys Ther.* 2024 Dec;54(12):1-32. PMID: 39611662. doi: 10.2519/jospt.2024.0302

Dudley-Javoroski S, Cooper CS, Jackson JB, Zorn A, Carter KD, **Shields RK**. Tolerance for Ambiguity: correlations

Gupta A, **Frey-Law LA**. Editorial: Insight in musculoskeletal pain-2023. *Front Pain Res (Lausanne)*. 2024 Apr 17;5:1411879. PMID: 38693962. doi: 10.3389/fpain.2024.1411879

Siaton BC, Hogans BB, **Frey Law LA**, Brown LM, Herndon CM, Buenaver LF. Pain, comorbidities, and clinical decision-making: conceptualization, development, and pilot testing of the Pain in Aging, Educational Assessment of Need instrument. *Front Pain Res (Lausanne)*. 2024 Feb 22;5:1254792. PMID: 38455875. doi: 10.3389/fpain.2024.1254792

Aoyagi K, Jafarzadeh SR, Carlesso L, **Frey Law LA**, Lewis CE, Nevitt M, Neogi T. Mediating Effect of Pain Sensitization on the Paradoxical Relation of Taking Opioids to Pain Severity in Knee Osteoarthritis: The Multicenter Osteoarthritis Study. *Arthritis Care Res (Hoboken)*. 2024 Mar;76(3):403-408. PMID: 37750238. doi: 10.1002/acr.25244

Walia A, Markfort C, **Frey Law LA**. Assessment of Multisensory Sensitivity May Assist With the Management of Children With Chronic Pain. *Pediatrics* 2024 May 1;153(5):e2023061840. PMID: 38577735. doi: 10.1542/peds.2023-061840

Wiederien RC, Wang D, **Frey Law LA**. Assessing how individuals conceptualize numeric pain ratings: validity and reliability of the Pain Schema Inventory (PSI-6) Short Form. *Front Pain Res (Lausanne)*. 2024 Aug 5;5:1415635. PMID: 39161648. doi: 10.3389/fpain.2024.1415635

Neelapala YVR, Neogi T, Kumar D, Jarraya M, Macedo L, Kobsar D, Hanna S, **Frey-Law LA**, Lewis CE, Nevitt M, Appleton T, Birmingham T, Carlesso LC. Exploring different models of pain phenotypes and their association with pain worsening in people with early knee osteoarthritis: The MOST cohort study. *Osteoarthritis Cartilage*. 2024 Feb;32(2):210-219. PMID: 37709187. doi: 10.1016/j.joca.2023.09.003

Frey Law LA, Merkle SL, Dailey D, **Sluka KA**. Nonlinear modification to Hildebrand equation for accelerometry assessment of physical activity: improved accuracy for low activity levels. *Explor Musculoskeletal Dis*. 2024;2:408-422. doi: 10.37349/emd.2024.00066

Dunne H, **Frey-Law LA**. Multisensory sensitivity in relation to pain: a scoping review of terminology and assessment. *Pain Rep*. 2024 Oct 25;9(6):e1193. PMID: 39473878. doi: 10.1097/PR9.0000000000001193

Alfano LN, James MK, Grosfeld Petersen K, Rudolf K, Vissing J, Augsburg R, Mozaffar T, Jones A, Butler A, **Laubscher KM**, Mockler SRH, Mathews KD, Iammarino MA, Reash NF, Pietruszewski L, Lowes LP, Strahler T, Wicklund M, Hunn S, Weihl CC, Sasidharan S, Currence M, Statland JM, Stinson N, Holzer M, Leung DG, Lott DJ, Kang PB, Holsten S, Desai U, Johnson NE; GRASP-LGMD Consortium. Prospective observational study of FKRP-related limb-girdle muscular dystrophy R9: A GRASP consortium study. *Ann Clin Transl Neurol*. 2024 Dec 15. PMID: 39675022. doi: 10.1002/acn3.52276

Petrie MA, Suneja M, **Shields RK**. Distinct Genomic Expression Signatures after Low-Force Electrically Induced Exercises in Persons with Spinal Cord Injury. *Int J Mol Sci*. 2024 Sep 23;25(18):10189. PMID: 39337673. doi: 10.3390/ijms251810189

Petrie MA, **Dudley-Javoroski S**, Johnson KA, Lee J, Dubey O, **Shields RK**. Low-Frequency Electrically Induced Exercise after Spinal Cord Injury: Physiologic Challenge to Skeletal Muscle and Feasibility for Long-Term Use. *J Spinal Cord Med*. 2024 Apr 15:1-7. PMID: 38619192. doi:10.1080/10790268.2024.2338295

Johnson KA, **Shields RK**. Influence of the Menstrual Cycle and Training on the Performance of a Perturbed Single-Leg Squatting Task in Female Collegiate Athletes. *Orthop J Sports Med*. 2024 Jun 2;12(6):23259671241251720. PMID: 38831876. doi: 10.1177/23259671241251720

Shields RK, Chevan J, Kennedy K, **Bailey C**, **Dudley-Javoroski S**. National Benchmarks to Understand how Doctor of Physical Therapy Learners from Minoritized Race and Ethnicity Groups Perceive their Physical Therapist Education Program. *Phys Ther*. 2024 Sep 4;104(9):pzae047. PMID: 38519116. doi: 10.1093/ptj/pzae047

Liebano RE, **Sluka KA**, Roy J, Savinelli M, Dailey DL, Riley SP. Effects of transcutaneous electrical nerve stimulation on pain, function, and descending inhibition in people with non-specific chronic low-back pain: a study protocol for a randomized crossover trial. *Trials*. 2024 Apr 6;25(1):242. PMID: 38582874. doi: 10.1186/s13063-024-08089-7

Gewandter JS, Culakova E, Davis JN, Gada U, Guido JJ, Bearden JD, Burnette B, Shah D, Morrow GR, Mustian K, **Sluka KA**, Mohile N. Wireless Transcutaneous Electrical Nerve Stimulation (TENS) for Chronic Chemotherapy-Induced Peripheral Neuropathy (CIPN): A Proof-of-Concept Randomized Clinical Trial. *J Pain*. 2024 May;25(5):104431. PMID: 37993030. doi: 10.1016/j.jpain.2023.11.014

Janowski AJ, Berardi G, Hayashi K, Plumb AN, Lesnak JB, Khataei T, Martin B, Benson CJ, **Sluka KA**. The influence of sex on activity in voluntary wheel running, forced treadmill running, and open field testing. *Res Sq [Preprint]*. 2024 May 14:rs.3.rs-4365992. PMID: 38798501. doi: 10.21203/rs.3.rs-4365992/v1

Berardi G, Dailey DL, **Chimentelli RL**, Merriweather E, **Vance CGT**, Rakei BA, Crofford LJ, **Sluka KA**. Influence of Transcutaneous Electrical Nerve Stimulation (TENS) on Pressure Pain Thresholds and Conditioned Pain Modulation in a Randomized Controlled Trial in Women With Fibromyalgia. *J Pain*. 2024 Jun;25(6):104452. PMID:38154621. doi: 10.1016/j.pain.2023.12.009

Hayashi K, Lesnak JB, Plumb AN, Janowski AJ, Smith AF, Hill JK, **Sluka KA**. Brain-derived neurotrophic factor contributes to activity-induced muscle pain in male but not female mice. *Brain Behav Immun*. 2024 Aug;120:471-487. PMID: 3892541. doi: 10.1016/j.bbi.2024.06.019

Plumb AN, Lesnak JB, Kolling LJ, Marcinkiewicz CA, **Sluka KA**. Local Synthesis of Estradiol in the Rostral Ventromedial Medulla Protects against Widespread Muscle Pain in Male Mice. *eNeuro*. 2024 Aug 28;11(8):ENEURO.0332-24-2024. PMID: 39111835. doi: 10.1523/ENEURO.0332-24-2024

Leroux A, Crainiceanu C, Zeger S, Taub M, Ansari B, Wager TD, Baymen E, Coffey C, Langefeld C, McCarthy R, Tsodikov A, Brummet C, Clauw DJ, Edwards RR, Lindquist MA, A2CPS Consortium [**Vance CGT**, **Sluka KA**]. Statistical Modeling of acute and chronic pain patient-reported outcomes obtained from ecological momentary assessment. *Pain*. 2024 Sep 1;165(9):1955-1965. PMID: 38718196. doi: 10.1097/j.pain.0000000000003214

Marsolo KA, Cheville A, Melnick ER, Jarvik JG, Simon GE, **Sluka KA**, Crofford LJ, Staman KL, Richesson RL, Schlaeger JM, Curtis LH. Impact of Electronic Health Record Updates and Changes on the Delivery and Monitoring of Interventions in Embedded Pragmatic Clinical Trial. *Contemp Clin Trials*. 2024 Nov 17:148:107744. PMID: 39561918. doi: 10.1016/j.cct.2024.107744

Plumb AN, Haashi K, Janowski A, Smith A, Rasmussen L, **Sluka KA**, Lesnak JB. Pregabalin produces analgesia in males but not females in an animal model of chronic widespread muscle pain. *Pain Rep*. 2024 Nov 20;9(6):e1207. PMID: 39574484. doi: 10.1097/PR9.0000000000001207

Cheville AL, Patil C, Boyd AD, Crofford L, Dailey D, de Martelly V, Del Fiol G, Ezenwa M, Faurot K, Knisely M, McLeod K, Morone N, O'Brien E, Gonzalez-Guarda R, **Sluka KA**, Staman K, Thackeray A, Zigler C, Schlaeger J. Special Section on Patient-Reported Outcomes and Informatics: Collection of Patient-Reported Outcome Measures in Rural and Underserved Populations. *Appl Clin Inform*. 2024 Nov 7. PMID: 39510534. doi: 10.1055/a-2462-8699

Plumb AN, Lesnak JB, Rasmussen L, **Sluka KA**. Female specific interactions of serotonin and testosterone in the rostral ventromedial medulla after activity-induced muscle pain. *J Pain*. 2024 Nov 8:104723. PMID: 39522853. doi: 10.1016/j.jpain.2024.104723

Chrea B, Anderson D, Roach K, **Wilken JM**. Research Toward Understanding the Benefits and Limitations of Orthotic Use To Improve Mobility and Balance for Individuals With Neuropathic Conditions. *Iowa Orthop J*. 2024;44(1):37-45. PMID: 38919344

Wiederien RC, Gari WJ, **Wilken JM**. Effect of crutch and walking-boot use on whole-body angular momentum during gain. *Assist Technol*. 2024 Mar 3;36(2):164-172. PMID: 37499144. doi: 10.1080/10400435.2023.2229879

Fram BR, Bosse MJ, Odum SM, Reider L, Gary JL, Gordon WT, Teague D, Alkhoury D, MacKenzie EJ, Seymour RB, Karunakar MS, Major Extremity Trauma Research Consortium [**Wilken JM**]. Do Transibial Amputations Outperform Amputations of the Hind- and Midfoot Following Severe Limb Trauma?: A Secondary Analysis of the OUTLET Study. *J Bone Joint Surg Am*. 2024 May 1;106(9):776-781. PMID: 38512987. doi: 10.2106/JBJS.23.00878

Anderson KM, Corlett MA, Magdziarz SM, Anderson DD, **Wilken JM**. Foot offloading associated with carbon fiber orthosis use: A pilot study. *Gait Posture*. 2024 Jun;111:191-195. PMID: 38718525. doi: 10.1016/j.gaitpost.2024.04.032

Major Extremity Trauma Research Consortium (METRC)[**Wilken JM**]. Cognitive-Behavioral-Based Physical Therapy for Improving Recovery After a Traumatic Lower-Extremity Injury: The Results of a Randomized Controlled Trial. *J Bone Joint Surg Am*. 2024 Jul 17;106(14):1300-1308. PMID: 38781313. doi: 10.2106/JBJS.23.01234

Sharma S, Anderson KM, Pacha MS, Falbo KJ, Severe C, Hansen AH, Hendershot BD, **Wilken JM**. The effect of carbon fiber custom dynamic orthosis use and design on center of pressure progression and perceived smoothness in individuals with lower limb trauma. *Clin Biomech (Bristol)*. 2024 Jul;117:106284. PMID: 38870878. doi: 10.1016/j.clinbiomech.2024.106284

Skigen JT, Koller CA, Nigro L, Reisman DS, McKee Z, Pinhey SR, Henderson A, **Wilken JM**, Arch ES. Customized passive-dynamic ankle-foot orthoses can improve walking economy and speed for many individuals post-stroke. *J Neuroeng Rehabil*. 2024 Jul 29;21(1):126. PMID: 39069629. doi: 10.1186/s12984-024-01425-7

Williamson JN, Grunst MM, Williamson GA, Lynn J, Blanck RV, **Wilken JM**. Psychosocial Correlates and Behavioral Response to a Carbon Fiber Orthosis and Intensive Rehabilitation Program. *J Prosth Orthot*. 2024 Aug 12. doi: 10.1097/JPO.0000000000000524

Williamson JN, Grunst MM, Lynn J, Williamson GA, Blanck RV, **Wilken JM**. Predictors of long-term pain and function in individuals who received a custom dynamic orthosis and device-centric care pathway. *Prosthet Orthot Int*. 2024 Aug 1;48(4):372-379. PMID: 37934175. doi: 10.1097/PXR.0000000000000290

Williamson L, Brouillette M, Miller T, Goetz J, **Wilken JM**, Anderson DD. Influence of custom dynamic orthoses on tibiotalar joint reaction force and contact stress: A cadaveric study. J Biomech 2024 Dec 177:112420. PMID: 39608184. doi: 10.1016/j.jbiomech.2024.112420

Skigen JT, Koller CA, Reisman DS, McKee ZN, Pinhey SR, **Wilken JM**, Arch ES. Passive-Dynamic Ankle-Foot Orthoses Change Post-Stroke Lower Extremity Constituent Work Profile. J Biomech 2024 Dec:177:112414. PMID: 39514985. doi: 10.1016/j.biomech.2024.112414

Van Gorp B, Lesnak J, Fleagle T, Hulshizer K, Nielsen-Wise A, Kestel L, **Vance C**, **Sluka KA**. Categories of the Patient-Specific Functional Scale Activities in Chronic Neck Pain and Their Relationship to the Neck Disability Index. Rehabil Res Pract. 2024 Sep 23;2024:3126892. PMID: 39351169. doi: 10.1155/2024/3126892.

Research Grant Support (PI's)

Ruth Chimenti DPT, PhD

Assistant Professor

Johns Hopkins University/NIAMS: \$834,209 (Multi-PI)

A Sequenced-Strategy for Improving Outcomes in Patients with Knee Osteoarthritis Pain

National Institutes of Health: \$1,467,542 (Multi-PI)
Development of diagnostic and prognostic ultrasound imaging biomarkers for plantar heel pain (QUANTIFY)

Congressionally Directed Medical Research Programs: \$2,428,329 (PI)
Expanding and Accelerating Access to Care for Achilles tendinopathy through Self-management Rehabilitation Strategies (PACE)

Laura Frey Law, MPT, MS, PhD

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National Institutes of Health: \$1,846,347 (Multi-PI)
Metabolic Biomarkers for Fibromyalgia

National Institutes of Health: \$11,030,472 (Multi-PI)
Clinical Coordinating Center for the Acute to Chronic Pain Signatures Program

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Novel Insights into Osteoarthritis, Pain, and Function: MOST 4

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Professor

Permobil, Inc: \$52,116 (Multi-PI)
Post-Meal Positioning in a Power Wheelchair: Impact on Insulin-Glucose Levels, Muscle Cell Signalling, and Sympathetic Vagal Tone Among People With and Without Spinal Cord Injury

Kathleen Sluka, PT, PhD, FAPTA

Professor

National Institutes of Health: \$2,546,756 (PI)
Role of Macrophages in Activity-Induced Pain and Analgesia

National Institutes of Health: \$1,846,347 (Multi-PI)
Metabolic Biomarkers for Fibromyalgia

National Institutes of Health: \$9,307,793 (Multi-PI)
Fibromyalgia TENS in Physical Therapy Study (TIPS): An Embedded Pragmatic Clinical Trial

National Institutes of Health: \$11,030,472 (Multi-PI)
Clinical Coordinating Center for the Acute to Chronic Pain Signatures Program

National Institutes of Health: \$4,456,745 (Multi-PI)

Interdisciplinary Training Program in Pain Research

Jason Wilken PT, PhD

Associate Professor

Congressionally Directed Medical Research Programs: \$349,225 (PI)
OP210037 - Carbon Fiber Orthosis Cuff Design (AFOCUFF)

Congressionally Directed Medical Research Programs: \$3,969,294 (PI)
From Opinion to Evidence: Multi-site Evaluation of Custom Dynamic Orthosis Best Practice (AFOSVA)

Congressionally Directed Medical Research Programs: \$399,496 (PI)
The Effects of Heel Clearance on Foot Loading with Carbon Fiber Custom Dynamic Orthoses (CDODistract)

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