LSUHSC SCHOOL OF ALLIED HEALTH PROFESSIONS

DEPARTMENT OF PHYSICAL THERAPY

# OCTOBER NEWSLETTER

2024

LSU Health NEW ORLEANS

School of Allied Health Professions

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## Welcome Hao (Howe) Liu, PT, PhD, MS, FGSA



Welcome Dr. Liu as the new department head.
Dr. Liu received his degrees in Physical Therapy (MS) and Anatomy (PhD) from the University of Mississippi Medical Center, and Neuroanatomy (MS) from the Suzhou Medical College, and Medicine (BS) from the Jiangxi Medical College in China. As a core PT faculty member over 20 years, Dr. Liu had taught in University of Central Arkansas, University of North Texas Health Science Center, and Allen College in Iowa before he joined the Louisiana State University Health Science Center (LSUHSC) at New Orleans in December 2023. The courses he had taught as the course director or co-course director included Clinical Anatomy, Neuroanatomy, Evidence-Based Practice in PT, Pathophysiology, Pharmacology, Diagnostic Imaging, Kinesiology, Geriatric PT, PT for Special Population, and two elective courses - Advanced Anatomy and Histology for PT, and Tai Chi for Health. As a licensed physical therapist, he has been practicing as a PRN therapist mainly in nursing homes, outpatient clinic, or rehab hospital over two decades. In addition, during these years, Dr. Liu had been active in providing Tai Chi and assessment of assistive ambulatory devices for older adults living in senior living communities in the metropolitan areas he used to live.

In the last 20 years, Dr. Liu has published over 80 peer-reviewed articles and over 10 books or book chapters, presented nearly 150 research presentations in state, national, and international conferences, and received numerous fundings from intramural to extramural grants for his scholarly projects. His studies focus primarily on investigations of the effect of alternative therapies like Tai Chi on older adults and the effect of a walking device on an older user's body mechanics. Also, he conducts research on cadavers in anatomy lab for precise surface projections and potential impingement spots of a variety of peripheral nerves in comparison with people who may suffer from peripheral pain problems.

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# *Introducing*
# NEW FACULTY & STAFF



**DR. KEVIN GIORDANO, PT, DPT, PHD, CSCS**

*Assistant Professor*

**AARONLYN BREAUX**

*Department Coordinator*





**LUKE PREUTT**

*Clinical Trials Coordiantor*

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## FACULTY SPOTLIGHT



It is with sincere pleasure that I announce Dr. Noelle Moreau, PT, who has been selected to serves as the School of Allied Health Profession's Associate Dean of Research Affairs. Noelle G. Moreau, PT, PhD, is a professor here, at the Louisiana State University Health Sciences Center in New Orleans, School of Allied Health Professions, in the Department of Physical Therapy. Dr. Moreau will work closely and collaboratively with faculty, department heads, staff members, and represent the school with internal and external constituencies.

She will provide mentorship to faculty on research career aspects and developing a program of research, plan and implement faculty development activities to include but not limited to grant writing, publication workshops, implement an intramural research seed grant program, represent the SAHP on the IRB, serve on the LSUHSC's Associate Research Dean's Council, lead SAHP strategic research initiatives, and supervise a Research Coordinator in order to support the research office's infrastructure and development.

Dr. Moreau has over 27 years of experience as a physical therapist. She received her doctoral training in biomechanics with a minor in biostatistics at Louisiana State University and completed a postdoctoral fellowship in movement sciences at Washington University in St. Louis. Dr. Moreau has an active research agenda and research laboratory. She has been consistently funded by the National Institutes of Health since 2014, totaling over $5.7 million in external funding. She is currently the principal investigator of two R01 clinical trials funded by the National Institutes of Health. Dr. Moreau is regarded as an international and national expert in her area of research, which focuses on the investigation of the neuromuscular mechanisms underlying abnormal muscle function and movement impairments in children with cerebral palsy. The overarching goal of Dr. Moreau's research is the development of effective rehabilitation strategies to address these impairments and improve activity, participation, and quality of life. Dr. Moreau service to the profession, department, school, and university in the area of research and scholarship is extensive. She serves as a grant reviewer for the National Institutes of Health and is a member of the Scientific Review Committee for the national physical therapy organization, the Foundation for Physical Therapy. She also serves as a member of the Research Advisory Council to the Chancellor and serves on the LSUHSC Strategic Planning Research Work Group, among other roles.

Please join me in congratulating Dr. Noelle Moreau!

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## ALUMNI SPOTLIGHT



**Jena Bratton**, a proud native of Slidell, Louisiana, earned her Bachelor of Science in Physical Therapy from the Louisiana State University Health Sciences Center in New Orleans in 1996. Since then, she has been committed to her career as a Physical Therapist specializing in outpatient orthopedics. In 2005, she became the owner and lead therapist at Bratton Physical Therapy, a private practice located in Slidell, where she made it her mission to help individuals in her community regain their health and lead active lives.

With certifications in Integrated Dry Needling, cupping, and blood flow restriction rehabilitation, she employs innovative techniques to ensure her patients receive the best care possible. But her dedication extends beyond the clinic. Jena actively supports the Slidell Ladies for Liberty, sending care packages to deployed service members, and is a proud sponsor of local schools, helping to fund their sports programs and nurture young athletes.

Outside of her professional life, Jena enjoys spending time with her two children, Matthew and Emily, as well as her loyal dog, Marley.

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## STUDENT SPOTLIGHT



We are thrilled to congratulate East Guilbeau, a 3rd-year Physical Therapy student, on receiving the 2024 Association of Schools Advancing Health Professions (ASAHP) Scholarship of Excellence!

This prestigious honor, which includes a $1,000 scholarship, is awarded to students who demonstrate exceptional academic performance and the potential for impactful leadership in their chosen fields. East's hard work and dedication have made him a standout in our community.

As an active leader in the School of Allied Health Professions, East has participated in the APTA Leadership Conference, served as a Student Ambassador, and volunteered for numerous community service events, including the Louisiana Special Olympics.

East, your dedication and achievements inspire us all. We're proud of your contributions to the Physical Therapy department, the School of Allied Health Professions, LSU Health New Orleans, and the broader healthcare profession.






# APTA CREDENTIALED CLINICAL INSTRUCTOR PROGRAM

# 2024

SATURDAY
November 23rd
&
SUNDAY
November 24th

**REGISTRATION DEADLINE** November 12, 2024

**COURSE LOCATION** Zoom Meeting
Meeting room and login-information to be sent at a later date to all registrants

**PROGRAM PRESENTERS**
Erin Hofmeyer, PT, DPT | APTA Level 1 and 2 Credentialed Trainer
Deb Belcher, PT, DPT | APTA Level 1 and 2 Credentialed Trainer
Carolyn Shisler, PT, M.Ed.| APTA Level 1 and 2 Credentialed Trainer

SPONSORED BY: Southern CE Consortium
(DPT Programs at FranU, LSU-Health NO, LSU-Health Shreveport, University of MS Medical Center, William Carey University)

## AGENDA

The course involves approximately 17 hours of instruction, discussion and assessment. Times for each section indicated may vary depending on presenter and audience needs:

### DAY 1

| | |
|---|---|
| 8:00 | Workshop begins |
| 12:30 | Lunch Break |
| 1:30 | Workshop cont. |
| 6:30 | Adjourn |

### DAY 2

| | |
|---|---|
| 8:00 | Workshop cont. |
| 12:00 | Lunch Break |
| 1:00 | Workshop cont. |
| 3:15 | Assessment Center |
| 5:30 | Adjourn |

**PROGRAM DESCRIPTION**

Credentialed Clinical Instructor Program Level 2 (CCIP 2) is the successor to APTA's former Advanced Credentialed Clinical Instructor Program (ACCIP). This voluntary program is designed for physical therapists, physical therapist assistants, and other health care professionals who have successfully completed the APTA Credentialed Clinical Instructor Level 1 Program (CCIP 1), and want to further develop their clinical teaching skills and construct a clinical curriculum. The unique philosophy and design of CCIP 2 both applies and goes beyond the concepts of the structured learning environment of CCIP 1 to enable clinical educators to achieve the best outcomes for student learning.

Course Objectives

- Discuss the benefits and key components of a clinical curriculum.
- Advance clinical teaching concepts learned in CCIP Level 1, as applied to the novice-mastery clinical practice continuum.
- Integrate professionalism in a clinical curriculum that promotes the guiding principles to achieve the Vision for the Physical Therapy Profession and the core values.
- Diagnose and foster a student's clinical reasoning.
- Outline a clinical curriculum to provide key learning experiences critical to patient and client management in the student's practice upon graduation and licensure.

Requirements for Taking the Level 2 Course

Successfully complete the Level 1 CCIP credential (for other healthcare professionals, have earned Level 1 CEUs).
Mentor, supervise, and instruct at least one student since completing the Level 1 CCIP credential.
Complete an online registration for the course.
Upload a copy of or provide a link to current license.
Approval of registration, after review, by the course trainer.
Complete course prerequisites, including a series of three online professional development modules and a review of four journal articles from APTA's PTJ.

*Attendance at all course sessions and successful completion of the Assessment Center results in recognition by the APTA as a Credentialed Clinical Instructor. You must attend all sessions and complete all assessment centers to be eligible for Credentialed Clinical Instructor status.*

**APTA MEMBERS | $150.00**
**NON APTA MEMBERS / $275.00**

**REGISTRATION FEE** Includes the 2 day course, electronic copies of all handout materials, the Assessment Center and Registration in the National Instructor database.

All PT and PTA participants completing the program will receive 1.7 CEUs/17 contact hours. Non physical therapy providers will receive 1.3 CEUs 13 contact hours.

**REFUNDS** Individuals must cancel their CCIP registration and request a refund 72 hours prior to the start date of the course and the CI course manual must be returned to the APTA. The amount of refund will be equivalent to the APTA portion of the registration fee only.

**TO REGISTER** Log in to the APTA CCIP Program (https://ccip.apta.org) to complete your application. See the attachment (from APTA) provided to you within the email on how to log in to use the APTA portal to complete your full application.
**USE CODE:** 202411OH128 to link directly to our course.

We accept CREDIT CARD PAYMENTS

Please go to https://www.msj.edu/academics/graduate-programs/doctor-of-physical-therapy/dpt-curriculum/index.html for payment instructions.

Mail a CHECK made payable to
Mount St. Joseph University
Department of Physical Therapy to:
Mount St. Joseph University | Department of Physical Therapy/Julie Tolbert
5701 Delhi Road
Cincinnati, Ohio 45233

Questions please email Julie at Julie.Tolbert@msj.edu

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# VOLLEYBALL TOURNAMENT

# FEB 1ST 2025

## ALL PROCEEDS GO TO MAKE GOOD NOLA

Tournament Starts at 10:00 am. Teams arrive at 9:30 am for check in

Bar and Grill will be open for food and drink purchases



## TEAMS OF 2-9

## SCAN QR CODE AND REGISTER BY JAN 18

WHITE SANDS 1001 N AL DAVID RD
ELMWOOD, LA 70123

$100 for Student Teams $150 for non-student teams
Questions? Email rtromm@lsuhsc.edu

# Sponsorship Opportunities

## Feb 1 2025 LSU DPT Volleyball Tournament

### LEVEL 1

***$750***

- ***INCLUDES LOGO ON A BANNER AND KOOZIE, SOCIAL MEDIA SHOUTOUT, AND A FREE TEAM***

### LEVEL 2

***$500***

- ***INCLUDES LOGO ON A KOOZIE, SOCIAL MEDIA SHOUTOUT, AND A FREE TEAM***

### LEVEL 3

***$300***

- ***INCLUDES SOCIAL MEDIA SHOUTOUT AND A FREE TEAM***

***Please fill out the sponsorship form by Jan 11th if interested***



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## PROGRAM EVENTS





### Tai Chi for People with Parkinson's and Caregivers

**A Tele-Tai Chi Exercise Program Funded by the Parkinson's Foundation**

- Class Name: Tai Chi for PD and Caregivers
- Class Location:
  - Assessments:
    - 7th Floor of Allied Health Building at LSUHSC-NO campus: 1900 Gravier St, New Orleans, LA 70112.
    - Tai Chi Class Sessions: 2 times / week (Tue & Thu) for 36 weeks (9 months) via Online Zoom
- Class Details:
  - 9-month program – free to participate
  - Monthly online professional presentation by healthcare specialist on PD.
  - 3 Formal Evaluations at the
    - Beginning, middle, end of the program
    - Balance, anxiety/stress, physical function, daily living, caregiver burden, and exercise adherence.
    - This program is supported by a community grant from the Parkinson's Foundation

**Contacts:**


**Dr. Howe Liu:**
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**Dr. Jessica Allemand**
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**Dr. Katherine Atiyeh**
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**Dr. Rachel Wellons**
rtromm@lsuhsc.edu; Phone: (504) 568-4284


Parkinson's Foundation

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# Come See us at CSM in Houston, TX!

**LSUHSC-NO Physical Therapy Presentations at 2025 CSM**

## Poster Presentations

**Feb 13 (Thursday) 1-3 PM**

**Sports Section**:

**Influence of pitch count on throwing arm strength**

Presenter: **Dr. Kevin Giordano** -(**Poster presentation – Poster #:1494**)

**Neuro (Stroke) section**:

**Reliability and Validity of TUG Components Scale in Patients with Stroke.**

Presenter: **Dr. Howe Liu** (Jing Liu, Xiguo Cai, **Katherine Atiyeh**)
(**Poster presentation – Poster #: 1276**)

**Neuro (General) section:**

**Effects of Dry Needling for Functional Movement Disorder: A Case Study**

Presenter: **Dr. Katherine Atiyeh** (Rachel Wellons)
(**Poster presentation – Poster #: 1195**)

**Neuro (Vestibular) section:**

**Cervical Spine Range of Motion, Pain, and Disability in Individuals with Vestibular Dysfunction.**

Presenter: **Dr. Rachel Wellons** (Sydney Duhe, Sara MacDowell, Chloe Struble, Theresa Schiro)
(**Poster Presentation – Poster #: 1329**)

**Feb 14 (Friday) 1-3 pm**

**Education Section**:

**Re-Defining First-Generation DPT Student Experiences: A Mixed-Methods Analysis**

Presenter: **Dr. Ha Hoang** (Olivia Bernstein, Justin Gulizo, Zachary Ingram, Emily Ransom, Joseph Reese, Kolby Sculthorp – Class 2024) (**Poster Presentation - – Poster #: 2150**)

**Neuro (Neurodegenerative) section**:

**Repetitive Transcranial Magnetic Stimulation over the Supplementary Motor Area in Parkinson's Disease: A Meta-Analysis**

Presenter: **Dr. Howe Liu** (Lu QQ, Zhu PA, Salem Y, Holmes C, Bao X)
(**Poster presentation**) – **Poster #: 2335**)

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## Platform Presentations

**Aquatic Section**:

**Effectiveness of Aquatic Exercise for Individuals with Fibromyalgia: A Systematic Review**
Salem Y, **Liu H**, et al.
(**Platform Presentation**)

**Pelvic Health Section**:

**Biopsychosocial Treatments for the Management of Dyspareunia and Sexual Dysfunction in Women: A Systematic Review.**
**Herwehe C, Sonneborn M, Gundlach J. (Class 2024)**
**(Platform Presentation)**

**Section on Pediatrics**

**Power Training Combined with Interval Treadmill Training to Improve Walking Activity in Cerebral Palsy**
Presenter: **Dr. Noelle Moreau**

**Effects of a Power-Based Approach for Improving Walking Activity in Cerebral Palsy on Muscle Performance**
Presenter: **Dr. Noelle Moreau**

## Workshop

| | |
|---|---|
| **Workshop code:** | **NE-20689** |
| **Workshop Titel:** | **Critical Conversations and Practical Management Strategies for Patients with Persistent Postural Perceptual Dizziness (PPPD)** |
| **Presenters:** | **Rachel D. Wellons, PT, DPT** and **Sara Gaudet MacDowell, PT** |
| **Workshop Time:** | **Feb 13 (Thursday) 3-5pm** |

We want to support the research of our Alumni! Please share if you have a platform or poster presentation scheduled and we will promote it on our instagram page.

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## PUBLICATIONS

1. Pontiff, M.E. & Moreau, N.G. (2024). Age-Related Differences in Muscle Size and Strength between Individuals with Cerebral Palsy and Individuals with Typical Development. *Phys Occup Ther Pediatr.* 44(4): 572-585.
2. Friesen KB, Giordano KA, Oliver GD. Kinematic Comparison of Softball Pitchers With and Without Upper Extremity Pain. *Sports Health.*2024.doi.org/10.1177/19417381241285894
3. Giordano KA, Nebel AR, Fava A, Oliver GD. Tall and Fall vs. Drop and Drive Strategy in Baseball Pitching for Performance and Injury Risk. *American Journal of Sports Medicine.* Sept. 2024;0(0). DOI: 10.1177/0363546524127940 6
4. Giordano KA, Schmidt AC, Nebel AR, Yaganita YZ, Oliver GD. Normative In-Game Data for Elite Collegiate Baseball Pitchers Using Markerless Tracking Technology. *Orthopedic Journal of Sports Medicine.* Oct. 2024;12(2). DOI: 10.1177/23259671241274137
5. Nebel AR, Giordano KA, Bordelon NM, Oliver GD. Predicting the Presence of Pain in Youth Baseball Pitchers Using the Concept of Biomechanical Efficiency. *Orthopedic Journal of Sports Medicine.* Oct. 2024;12(2)
6. Nebel AR, Giordano KA, Schmitt AC, Oliver GD. Temporal Differences in the Kinematic Chain Between College Pitcher's Fastest and Slowest Fastballs. *Sports Medicine and Health Sciences,* 2024. doi.org/10.1016/j.smhs.2024.10.001.
7. Wellons, Rachel D.; Duhe, Sydney E.; MacDowell, Sara G.; Oxborough, Sara; and Madhav, K C., "Investigating health disparities in vestibular rehabilitation" (2024). *School of Allied Health Professions Faculty Publications.* 43.https://digitalscholar.lsuhsc.edu/soah_facpubs/43 10.3233/VES-240002

## POSTERBOARD PRESENTATIONS

1. Bernstein O, Gulizo J, Ingram Z, Ransom E, Reese J, Sculthorp K, Hoang T. *Experiences of First-generation Doctor of Physical Therapy Students: A qualitative analysis.* American Physical Therapy Association- Louisiana Spring Meeting. Lafayette, LA. March 3, 2024.
2. Akotaobi N. *Multimodal Management of a Patient Presenting with Autonomic Dysfunction and Cervical Pain with Movement Coordination Dysfunction: a Case Report.* American Academy of Orthopedic Manual Physical Therapists (AAOMPT) Annual Conference. Oct. 2024.

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## PLATFORM PRESENTATIONS

1. Moreau NG, Bjornson KB, Licea J, Mercante D. (2024, October). *Power Training combined with Interval Treadmill Training to Improve Walking Activity in Cerebral Palsy: A Randomized Controlled Trial.* American Academy for Cerebral Palsy and Developmental Medicine, Quebec City, Canada.
   a. nominated for the Top 10 Best Free Paper for the conference
2. Moreau NG, Bjornson KB, Pontiff, M, Licea J, Mercante D. (2024, October). *Effects of Power Training combined with Interval Treadmill Training on Muscle Performance in Youth with Cerebral Palsy as Compared to Traditional Approaches: A Randomized Controlled Trial.* American Academy for Cerebral Palsy and Developmental Medicine, Quebec City, Canada.
3. Moreau NG, Licea J, Simon Peter L. (2024, October). *Expression of microRNAs and target genes associated with extracellular matrix remodeling and mitochondrial function are improved following intensive exercise training in children with cerebral palsy.* American Academy for Cerebral Palsy and Developmental Medicine, Quebec City, Canada.
4. Gundlach L, Herwehe C, Sonneborn M. Atiyeh K, Eason J. *Complementary, Integrative, Psychological & Multimodal Physical Therapy Treatment for the Management of Dyspareunia, & Sexual Dysfunction in Women: A Systematic Review.* American Physical Therapy Association- Louisiana Spring Meeting. Lafayette, LA. March 3, 2024
   a. Winner of best Student Platform Presentation
5. Guilbeau E. *Physical Therapists' Perspective on their Role in Pain Management.* American Physical Therapy Association- Louisiana Spring Meeting. Lafayette, LA. March 3, 2024
6. Giordano KA. Large Sample Normative Data for Strength and Range of Motion in Baseball Pitchers. *Orthopaedic Summit and Evolving Techniques* Annual Meeting. 2024. Las Vegas, NV.
7. Wellons R, Stoskus J. (2024, September). *PPPD, Vestibular Migraine, and MdDS-Oh-My! How to use the Barany Society Diagnostic Criteria*. Acadamy of Neurologic Physical Therapy. Columbus, OH.
8. Liu, Howe. (2024, October). *Tai Chi Movement Based Deep Diaphragmatic Breathing-Anatomical And Biomechanical Consideration*. International TaiChi QiGong Association Annual Conference.
9. Liu, H, Salem Y, Wellons R, Zhao MM. (2024, October). *Abnormal Prefrontal Functional Network In Adult Obstructive Sleep Apnea: A Resting-State fNIRS Study.* American Congress of Rehab Medicine Annual Conference. Dallas, TX.



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## GRANTS AWARDED

Dr. Noelle Moreau and Dr. Liz Simon Peter were awarded the LSU Health Sciences Center-Wide Intramural Research Grant titled “Molecular regulation of skeletal muscle function in children with cerebral palsy: implication for therapeutic targets.”

## GRANT REVIEWER

Noelle Moreau. Grant Reviewer – NIH Study Section Reviewer: Motor Function, Speech and Rehabilitation Study Section (June 3-4, 2024)

Noelle Moreau serves as a member of the Scientific Review Committee for the Foundation for Physical Therapy and reviewing Foundation grants this fall cycle.

## ACKNOWLEDGEMENTS

Ngozi Akotaobi, assistant professor at LSUHSC, has been appointed to the onsite review team by the American Board of Physical Therapy Residency and Fellowship Education (ABPTRFE). In this role, she will help verify that programs align with their mission and demonstrates successful participant outcomes. The team will engage in discussions with administration, faculty, staff, program participants, and graduates to confirm the implementation of essential processes and procedures. Additionally, they will document whether programs meet the ABPTRFE Quality Standards using the Accreditation Report Rubric. This appointment highlights Dr. Akotaobi’s commitment to advancing physical therapy education.

We would also like to acknowledge David Regan, class president from 1974, for his efforts in organizing a 50th year class reunion on our campus. Reuniting classmates and celebrating such a remarkable milestone is no small feat, and we truly appreciate the time, dedication, and enthusiasm he’s put into making this event a memorable occasion. We look forward to highlighting the Class of 1974 in our upcoming newsletter to share their achievements, memories, and contributions with our PT community.