AMARA G. SHARP, MS, ATC

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Education

PhD Exercise Science 2024 - Present
University of Kentucky, Lexington, Kentucky

M.S. Kinesiology Health Promotion 2022 - 2024
University of Kentucky, Lexington, Kentucky
Thesis: *Altered Gait Mechanics in Marfan Syndrome*

B.S. Athletic Training 2017 - 2019
California State University Fullerton, Fullerton, California

A.A. Liberal Arts Math and Science 2014 - 2017
Allan Hancock College, Santa Maria, California

Research Funding

Current Support

Department of Radiology, University of Kentucky 2026
Role: Co-I
"Ultrasound-Based Biomarkers of Plantarflexor Muscle Dysfunction in Hip Osteoarthritis"

NATA Foundation Doctoral Research Grant 2026
Role: PI
"Ankle Joint Dysfunction in Aging Adults with Hip Osteoarthritis"

Peer Reviewed Journal Articles

1. **Sharp A.G.,** Jacobs M.V., Mangino A.A., Clasey J.L., Sheppard M.B., Samaan M.A., (2025) "Alterations of the hip total joint moment occur during walking in individuals with Marfan syndrome" Clinical Biomechanics, 127, 106570

Conference Presentations

1. **Sharp, A.G.,** Roper, J.A., Fain A., Duncan S.T., Mangino A.A., Jochimsen K.N., Samaan M.A. "Aging adults with Hip Osteoarthritis Ambulate with Lower Joint Power During a 30-Minute Walking Task", World Congress of Biomechanics, 2026, **Poster**

2. **Sharp, A.G.**, Roper, J.A., Jacobs, M.V., Clasey J.L., Mangino, A.A., Sheppard, M.B., Samaan, M.A. "Individuals with Marfan syndrome Ambulate with Alterations to Joint Work", American College of Sports Medicine Annual Meeting, 2026, **Poster**

3. Jacobs, M.V., **Sharp, A.G.**, Malek, S., Selby J., Duncan, S.T., Fry C.S., Samaan, M.A. "Assessing Knee Total Joint Moment in Knee Osteoarthritis Phenotypes in Aging Adults",

American College of Sports Medicine Annual Meeting, 2026, **Poster**

4. Samaan, M.A., **Sharp, A.G.,** Mangino, A.A., Fain, A.D., Duncan, S.T., Jochimsen, K.N. "Altered Neuromuscular Patterns yet Similar Hip Joint Contact Forces in Hip OA During Aerobic Exercise", Osteoarthritis Research Society International Conference, 2026, **Poster**

5. Jacobs, M.V., **Sharp, A.G.**, Malek, S., Selby J., Duncan, S.T., Fry C.S., Samaan, M.A. "Assessing the Impact of Knee Osteoarthritis Phenotypes on Knee Total Joint Moment in Aging Adults", Association for Clinical and Translational Science, 2026, **Poster**

6. **Sharp, A.G.**, Roper, J.A., Jacobs, M.V., Mangino, A.A., Sheppard, M.B., Samaan, M.A. "Individuals with Marfan syndrome Ambulate with Altered Joint Work", Southeast American College of Sports Medicine, 2026, **Oral Presentation**

7. Jacobs, M.V., **Sharp, A.G.**, Malek, S., Selby J., Duncan, S.T., Fry C.S., Samaan, M.A. "Assessing Knee Total Joint Moment in Knee Osteoarthritis Phenotypes in Aging Adults", Southeast American College of Sports Medicine, 2026, **Poster**

8. **Sharp A.G.**, Jochimsen K.N., Fain, A.D., Mangino, A.A., Duncan, S.T., Roper, J.A., Samaan M.A. "Aging Adults with Hip Osteoarthritis Walk with Altered Lower Extremity Joint Power", American Society of Biomechanics, 2025, **Oral Presentation**

9. **Sharp A.G.,** Jochimsen K.N., Samaan M.A. "Assessment of Sagittal Plane Hip Power in Aging Adults with Radiographic Hip Osteoarthritis", Southeast Chapter of the American College of Sports Medicine, 2025, **Poster**

10. **Sharp A.G.,** Jacobs, M.V., McLouth C., Noehren, B., Clasey J.L., Sheppard, M.B., Samaan M.A. "The Total Hip Joint Moment is Higher During Walking in People with Marfan syndrome", American Society of Biomechanics, 2024, **Poster**

11. **Sharp A.G.,** Jacobs, M.V., McLouth, C., Sheppard, M.B., Samaan M.A. "Evaluation of the Knee Total Joint Moment During Walking in Individuals with Marfan syndrome", University of Kentucky Center for Clinical and Translational Science, 2024, **Poster**

12. **Sharp A.G.,** Jacobs, M.V., McLouth, C., Sheppard, M.B., Samaan M.A. "Altered Total Joint Moment in the Hip During Walking in People with Marfan Syndrome", Southeast Chapter of the American College of Sports Medicine, 2024, **Poster**

Honors & Awards

Mentee of the Year, Empowerment in Motion Mentoring Program	2025
Student Travel Award, American Society of Biomechanics	2024
Top Master's Level Biomechanics Abstract, Southeast Chapter of the American College of Sports Medicine	2024

Teaching Experience

University of Kentucky, Department of Kinesiology & Health Promotion

Laboratory Teaching Assistant

Biomechanics of Human Movement (KHP 415)	Fall 2025 - Present

Instructor of Record

Introduction to Fitness (KHP 210)	2024 - 2025
Weight Training (KHP 120)	2023 - 2025
Ultimate Frisbee (KHP 101)	2023, 2025
Competitive Basketball (KHP 100)	2022 - 2025
Walk/Jog (KHP 118)	2022 - 2025
Physical Activity for Stress Relief (KHP 124)	2022 - 2023
Soccer (KHP 130)	2022

Professional Memberships

American Society of Biomechanics	2024-Present
Latinx in Biomechanix	2023-Present
American College of Sports Medicine	2022-Present
National Athletic Trainer's Association	2017-Present

Professional Certifications

BOC Certified Athletic Trainer 2020-Present
Certification Number: 200003814
National Provider Identifier: 1699301911

Service

Empowerment in Motion Mentoring Program 2026
Mentor

Latinx in Biomechanix 2025 - Present
Organizing Committee Member & Productivity
Power Hours Team Lead