ACSM Southeast Chapter

Candidate for At-Large Member

Christopher Wilburn, PhD

Auburn University

My dedication to advancing student-focused initiatives makes me an ideal candidate for the SEACSM Member-at-Large position. As an Associate Clinical Professor and Associate Director of the Auburn University Sport Biomechanics Laboratory, I prioritize student engagement and development, mentoring undergraduate and graduate students who have achieved prestigious awards and advanced career milestones. My approach fosters critical thinking, collaboration, and applied learning, aligning with SEACSM's mission to nurture the next generation of professionals.

I bring extensive SEACSM-specific service experience, including roles as session chair, abstract reviewer, and Leadership and Diversity Training Program (LDTP) mentor. Additionally, I have coordinated, judged, and guided student driven research at regional conferences. These activities reflect my deep commitment to empowering students and fostering professional growth within the SEACSM community.

If selected, I will leverage my experience aim to support equitable access by helping SEACSM secure NIH R13 funding to provide travel awards for students and members. These awards would promote diverse participation, professional development, and collaboration, aligning with NIH’s mission to enhance workforce diversity and SEACSM’s goal of advancing exercise science and sports medicine. Additionally, I will work with the student representatives to ensure professional and/or research development seminars are help throughout the year for SEACSM attendees.

With a proven history of commitment to student success and active service, I am enthusiastic about fostering interdisciplinary collaboration, promoting inclusive programming, and integrating innovative technology to elevate SEACSM’s impact. I am prepared to contribute strategically and meaningfully as a Member-at-Large, ensuring the organization continues to lead in professional and academic development.

AUBURN UNIVERSITY
Standard Biographical Data Form

Name: Christopher M. Wilburn

Department: School of Kinesiology College: Education

Present Rank: Associate Clinical Professor Years Completed in Rank: 2 Years

Type of Current Appointment: Non-tenured, 12-month

Graduate Faculty Status: Level 1

Education:

Institution	Degree	Major	Date Awarded
Auburn University	PhD	Kinesiology	August 2017
Auburn University	M.Ed.	Exercise Science	August 2014
Morehouse College	B.A.	Kinesiology, Sport Studies, & Physical Education	August 2013

Professional Experience

Auburn University
Rank: Associate Clinical Professor
Period of Appointment: October 2022-present

Auburn University
Rank: Assistant Clinical Professor
Period of Appointment: August 2017- October 2022

Sport Biomechanics Laboratory, Auburn University
Rank: Assistant Director
Period of Appointment: August 2018-present

School of Kinesiology Master's Advisory Committee, Auburn University
Rank: Master Student Advisor for Biomechanics Concentration
Period of Appointment: August 2018- present

North Carolina Central University
Rank: Adjunct Professor
Period of Appointment: January 2023-May 2023

Workload Allocation
A percent breakdown of the allocation time and effort teaching, research/creative, work, outreach, and service.

Year	Teaching	Research	Outreach	Service
2024-2025	100%	-	-	-
2023-2024	100%	-	-	-
2022-2023	100%	-	-	-
2021-2022	100%	-	-	-
2020-2021	100%	-	-	-
2019-2020	100%	-	-	-
2018-2019	100%	-	-	-
2017-2018	100%	-	-	-

List of Honors and Awards.

Auburn University Alumni Undergraduate Teaching Excellence Award ***(recipient)***
Auburn University
2024

Gerald and Emily Leischuck Undergraduate Teaching Award ***(recipient)***
Auburn University College of Education
2022

The Final Lecture Award ***(nominee)***
Auburn University Student Government Association
2020

Outstanding Commitment to Inclusion and Diversity Award (recipient)
Auburn University College of Education
2019

College of Education Faculty Member of the Year (recipient)
Auburn University Student Government Association
2018-2019

President's Graduate Opportunity Program (recipient)
Office of Multicultural Affairs, Auburn University
Funding Amount: $20,000; 2016-2017

Diversity Travel Fellowship (recipient)
American Society of Biomechanics
Funding Amount: $300; 2014

Scholarly Contributions

Semester	Course #	Course Title	Credits	Enrollment
Fall 2024	KINE 3620 (4 sections)	Biomechanical Analysis of Human Movement	3	129
Summer 2024	KINE 3620	Biomechanical Analysis of Human Movement	3	25
	KINE 4560	Sport Technique and Movement Analysis	3	38
Spring 2024	KINE 3620 (3 sections)	Biomechanical Analysis of Human Movement	3	121
	KINE 4560	Sport Technique and Movement Analysis	3	38
	KINE 4980	Undergraduate Research	1	1
	KINE 7910	Practicum	3	13
Fall 2023	KINE 3620 (3 sections)	Biomechanical Analysis of Human Movement	3	108
	KINE 4560	Sport Technique and Movement Analysis	3	36
	KINE 7910	Practicum	3	9
Summer 2023	KINE 3620	Biomechanical Analysis of Human Movement	3	5
	KINE 3621	Biomechanical Analysis of Human Movement Laboratory	1	16
	KINE 4400	Applied Anatomy for the Allied Health Professional	3	6
Spring 2023	KRAG	Biomechanics of Sport and Exercise	3	7
	KINE 3620 (3 section)	Biomechanical Analysis of Human Movement	3	111
	KINE 4560	Sport Technique and Movement Analysis	3	31
	KINE 4980	Undergraduate Research	3	2
	KINE 7910	Practicum	3	9
Fall 2022	KINE 3620 (3 sections)	Biomechanical Analysis of Human Movement	3	117

	KINE 4400	Applied Anatomy for the Allied Health Professional	3	24
	KINE 7910	Practicum	3	5
Summer 2022	KINE 3620 (2 sections)	Biomechanical Analysis of Human Movement	3	16
	KINE 7910	Practicum	3	1
Spring 2022	KINE 3620 (2 sections)	Biomechanical Analysis of Human Movement	3	116
	KINE 7430	Dartfish II	3	9
Fall 2021	KINE 3620 (3 sections)	Biomechanical Analysis of Human Movement	3	103
	KINE 4563	Sport Technique and Movement Analysis	3	27
Summer 2021	KINE 3620	Biomechanical Analysis of Human Movement	3	33
	KINE 3621	Biomechanical Analysis of Human Movement Laboratory	1	34
Spring 2021	KINE 3623 (2 sections)	Biomechanical Analysis of Human Movement	3	111
Spring 2021	KINE 4980	Undergraduate Research	3	3
	KINE 7910	Practicum	3	1
Fall 2020	KINE 3623 (2 sections)	Biomechanical Analysis of Human Movement	3	119
	KINE 4763	Introduction to Exercise Science Research	3	35
Summer 2020	KINE 3623	Biomechanical Analysis of Human Movement	3	20
	KINE 3621	Biomechanical Analysis of Human Movement Laboratory	1	21
Spring 2020	KINE 3623 (2 sections)	Biomechanical Analysis of Human Movement	3	105
	KINE 4980	Undergraduate Research	3	4
	KINE 7910	Practicum	3	4
Fall 2019	KINE 3620 (2 sections)	Biomechanical Analysis of Human Movement	3	128
	KINE 7910	Practicum	3	4
Summer 2019	KINE 3620	Biomechanical Analysis of Human Movement	3	15
	KINE 4403	Applied Anatomy for the Allied Health Professional	3	15
	KINE 4980	Undergraduate Research	3	8

Spring 2019	KINE 3620 (4 sections)	Biomechanical Analysis of Human Movement	3	102
	KINE 4760	Undergraduate Research	3	20
	KINE 4980	Undergraduate Research	3	4
	KINE 7910	Practicum	3	4
Fall 2018	KINE 3620 (3 sections)	Biomechanical Analysis of Human Movement	3	112
	KINE 4563	Sport Technique and Movement Analysis	3	40
Summer 2018	KINE 3623	Biomechanical Analysis of Human Movement	3	21
	KINE 3621	Biomechanical Analysis of Human Movement Laboratory	1	21
Spring 2018	KINE 3620 (4 sections)	Biomechanical Analysis of Human Movement	3	131
Fall 2017	KINE 3620 (4 sections)	Biomechanical Analysis of Human Movement	3	158
			Total 246	Total 2,396

2017-2023 Average Course Evaluation Scores (1,102/2396 = 46% Response Rate)
Question 1: I was encouraged to interact with the instructor regarding course content (electronically, during office hours, in class, etc.). Average: ***5.6 out of 6***

Question 2: I was provided opportunities to cooperate with other classmates about course material (electronically, inside or outside of class, etc.). Average: ***5.9 out of 6***

Question 3: I was informed of the instructor's high expectations for my work in this course. Average: ***5.7 out of 6***

Question 4: I was provided with an evaluation of my academic progress at regular intervals during the semester. Average: ***5.5 out of 6***

Question 5: I was provided with ample opportunities to apply my learning in this course. Average: ***5.6 out of 6***

Question 6: I was prompted to think critically about the course material. Average: ***5.8 out of 6***

Question 7: I was provided an environment that supported my learning. Average: ***5.5 out of 6***

Publications
Wilburn, C., Decoux, B., & Weimar, W.H. (2021). Basic Biomechanics for the Pre Clinicians and Practitioners. ISBN #: 9781644966136.

Courses/curricula developed.

KINE 7970: Special Topics: Gait and Footwear

The Gait and Footwear course was developed by Drs. Wendi Weimar, Jaimie Roper, and myself to allow graduate students to investigate healthy and pathological gait mechanics. Specifically, this course provided students the opportunity to further enhance the use of biomechanical principles by examining differences in gait mechanics and the influence podiatric devices have on various gait components. The course's development inception occurred within the Fall 2017 semester and has been offered in the Summer 2018, 2021, 2022, and 2024 semesters. Overall, the course obtained 150 SCHs over the four semesters.

GRADUATE & UNDERGRADUATE STUDENT ADVISING & MENTORING

Graduate Teaching Assistants

2018-2019

Kaitlin Freemon
Major Professor
Master of Science (MS), Exercise Science
Post-Graduation Position: Physical Therapist Assistant Graduate, Wallace Community College (2019-2021)

2019-2021

Imani Hill, Graduate Teaching Assistant
Thesis Committee Member and Major Professor
Master of Science (MS), Exercise Science (August 2021)
Post-Graduation Position: Assistant Strength and Conditioning Coach, Hampton University

2021-2022

Gabrielle Hutton, Graduate Teaching Assistant
Major Professor
Master of Science (MS), Exercise Science
Post-Graduation Position: University of Alabama at Birmingham Department of Physical Therapy (SPT2)

2022-2023

Julia Christl, Graduate Teaching Assistant
Major Professor
Master of Science (MS), Exercise Science
Post-Graduation Position: Physician Associate Student, Barry University

2023 (Fall 2023)

Sophia Chester, Graduate Teaching Assistant
Major Professor
Master of Science (MS), Exercise Science
Post-Graduation Position: TBD

2024
Meghan Hancock, Graduate Teaching Assistant
Major Professor
Master of Science (MS), Exercise Science
Post-Graduation Position:

2024-2025
Bria Smith, Graduate Teaching Assistant
Major Professor
Master of Science (MS), Exercise Science
Post-Graduation Position: TBD

2023-present
Bahman Adlou (M.Sc.)
Doctoral Co-mentor and Dissertation Committee Member

2023-present
Matthew Beth (MS)
Dissertation Committee Member

2022-present
Jared Kosek (MS)
Doctoral Co-mentor and Dissertation Committee Member

2021- present
Hannah Houde (MS)
Doctoral Co-mentor and Dissertation Committee Member

2021-2023
Aleah Horton (MA)
Department of Special Education, Rehabilitation, and Counseling
Dissertation Committee Member

2019-2021
Imani Hill (MS)
Major Advisor and Thesis Committee Member

Undergraduate

2024
Elizabeth Wheeler (Undergraduate Research Fellowship)
Project Title: *The Role of the Achilles Tendon in Foot Biomechanics through Ultrasound Imaging and Electromyography*

Auburn University- Office of Undergraduate Research
Funding Amount: $1,500

2020
Derrick Stephen (Undergraduate Research Fellowship)
Project Title: SuperHERoes of Today: A Biomechanical Analysis of the Anatomical Adaptations During Pregnancy
Auburn University- Office of Undergraduate Research
Funding Amount: $2,000

2019
Kathryn Riis (Undergraduate Research Fellowship)
Project Title: Get a Grip: Investigation of Non-Slip Socks on Locomotive Parameters in High-Risk Populations for Falls
Auburn University- Office of Undergraduate Research
Funding Amount: $3,000

2019
Robert McLaughlin (Undergraduate Research Fellowship)
Project Title: *Development of A More Convenient and Affordable Method of Measuring the Arch Height Index*
Auburn University- Office of Undergraduate Research
Funding Amount: $2,000

Outreach

Unassigned workload associated with 100% Teaching Allocation

Service
University Service

Exercise Science Curriculum Committee
Biomechanics Representative
School of Kinesiology
2024

Physical Therapy Clinical Assistant Professor Hiring Committee
Committee Member- 3 Faculty Hires
School of Kinesiology
2024

Exercise Science Clinical Assistant Professor Hiring Committee
Committee Lead
School of Kinesiology

2023

College of Education Faculty Award Committee
Committee Chair
August 2023-May 2024

Academic Honesty Committee
Faculty Representative
Committee Chair: Tammy Mayo, Office of the Provost
August 2023- August 2026

College of Education Diversity, Equity, and Inclusion Committee
School of Kinesiology Co-Representative
Committee Chair: Jared Russell, PhD. School of Kinesiology
September 2022-present

College of Education Faculty Award Committee
School of Kinesiology Representative
Committee Chair: Gwendolyn Williams, PhD, Department of Curriculum and Teaching (2020-2021)
Jane Teel, PhD, Department of Educational, Foundations, Leadership, and Technology (present)
Fall 2020-present

Interdisciplinary Studies Faculty Advisory Committee
College of Education Representative
Committee Chair: Robin Sexton, College of Liberal Arts
2019-present

National Student-Athlete Day
School of Kinesiology Co-Faculty Coordinator
Coordinator: Janice Robinson, MEd., Department of Auburn Athletics
Spring 2018- present

Graduate Advisory Committee
Biomechanics Faculty Representative
School of Kinesiology
Coordinator: Mary Rudisill, PhD.
Fall 2018- present

Exercise Physiology Clinical Assistant Professor Hiring Committee
Faculty Representative
School of Kinesiology
Committee Lead: Danielle Wadsworth, PhD

2020

Exercise Science Senior Research Presentations
Faculty Judge
School of Kinesiology
Coordinator: JoEllen Sefton, PhD.
Fall 2019

Future Scholars Summer Bridge Program Selection Committee
Faculty Representative
School of Kinesiology
Coordinator: Jared Russell, PhD
Fall 2017- present

Professional Service
American Society of Biomechanics Executive Board
Diversity Chair
August 2023-August 2026

American College of Sports Medicine-Southeast Chapter Biomechanics Interest Group Wendi H. Weimar Research Awards
Abstract Awardee Reviewer
December 2024-present

American College of Sports Medicine-Southeast Chapter Biomechanics Interest Group
President-Elect: February 2023-February 2024
President: February 2024- February 2025
Past President: February 2025- February 2026

National Science Foundation Graduate Research Fellowships Program
Grant Reviewer
December 2024- January 2025

American College of Sports Medicine-Southeast Chapter Leadership and Diversity Training Program
Abstract Reviewer
October 2024

American College of Sports Medicine-Southeast Chapter Leadership and Diversity Training Program
Mentor
February 2024

American College of Sports Medicine-Southeast Chapter Annual Conference
Oral Session Chair
February 2023

American Society of Biomechanics Diversity Committee
Faculty Representative
Committee Chair: Ajit Chaudhari, PhD., Ohio State University College of Medicine
Fall 2020-August 2023

Black Biomechanists Association Outreach Committee
Faculty Lead
Organization Founders: Matthew McCullough, PhD, North Carolina Agricultural and Technical State University College of Engineering; Erica Bell, PhD, Mayo Clinic Department of Physical Medicine & Rehabilitation ; Kayla Seymore MS, University of Delaware Department of Physical Therapy
Fall 2021-present

Black Biomechanists Association Organizing Committee
Faculty Representative
Organization Founders: Matthew McCullough, PhD, North Carolina Agricultural and Technical State University College of Engineering; Erica Bell, PhD, Mayo Clinic Department of Physical Medicine & Rehabilitation; Kayla Seymore MS, University of Delaware Department of Physical Therapy
Fall 2021-present

Black Biomechanists Association Communications Committee
Faculty Representative
Organization Founders: Matthew McCullough, PhD, North Carolina Agricultural and Technical State University College of Engineering; Erica Bell, PhD, Mayo Clinic Department of Physical Medicine & Rehabilitation; Kayla Seymore MS, University of Delaware Department of Physical Therapy
Fall 2021-present

Latinx in Biomechanics Association Social Media Committee
Faculty Representative
Organization Founders: Jazmin Cruz, BA, Texas Tech University College of Engineering ; Jonaz Moreno, MS, University of Massachusetts Amherst School of Public Health and Health Sciences; Lindey Trejo MS, Georgia Institute of Technology College of Engineering
Fall 2021-December 2022

Morehouse College Department of Kinesiology, Sports Studies and Physical Education Graduate School Panel
Auburn University Faculty Representative
Coordinator: Clade Hutto, EdD., Morehouse College Division of Life

Guest Lectures

My Journey as a Black Biomechanist (Spring 2023)
Langston University Health, Physical Education, and Recreation

Journey of the Black Academic (Fall 2021)
Black Graduate and Professional Student Association- Auburn University Chapter

Post-Doctorate Professional Development: Teaching in Academia (Summer 2021)
American Society of Biomechanics Post-Doctorate Affinity Group

Navigating Imposter Syndrome as a Black Male (Fall 2020)
Industry (Marshall Coaching and Mentoring)

The Science of Sneaks (Summer 2018)
Louisiana Tech University GEAR UP Camp (High School)

Guest Lectures Associated with Instruction

The SuperHERoes of Today: A Biomechanical Analysis on the Effects Anatomical Adaptations of Pregnancy Have on Gait (Fall 2020)
Clinical Applications of Biomechanics Graduate Course

The Influence of the Foot Architecture, Footwear, and Body Mechanics on Running (Spring 2019)
Industry (Orange Theory)

The Anatomy of Sneakers from a True Sneakerhead (Summer 2018)
Gait and Footwear Graduate Course

Sneakerhead: The Unappreciated Culture of Science and Innovation (Fall 2017)
Principles of Biomechanics in Human Movement Graduate Course

Research/Creative Work
While research is an unassigned workload associated with 100% my teaching allocation, I have contributed to several research projects that have results in regional, national, and international presentations, peer-reviewed journal articles, and university funded research fellowships. Overall, these opportunities have not only allowed me to enhance my teaching capabilities with relevant and pertinent information but, it has allowed students to further investigate biomechanical applications under my mentorship.

Patent:
Super Elastic Shoe Augmentation Device and Process (2023)
Provisional Application No.: 63/450,206
Contributors: Logan Reile Williams; David G Beale; JoEllen M. Sefton; Wendi H. Weimar; Michael Halvorson; Eric J. Bradshaw; Noah C. Cargile; Christopher M. Wilburn

Contribution %: 10 %

Peer Reviewed Publications (9)

Miller, Matthew W., Wilburn, Christopher M., Baweja, Harsimran S., Rudisill, Mary E., & Russell. Jared A.. (2024). Catalyzing Inclusive Excellence: Transformative Practices of Auburn University's School of Kinesiology. Kinesiology Review. Advance online publication. https://doi.org/10.1123/kr.2024-0041.

Adlou, B., Wilson, A., **Wilburn, C**., & Weimar, W. H. (2024). Early Sport Specialization Impact on Rates of Injury in Collegiate and Professional Sport Participation: A Systematic Review and Meta-analysis. *International Journal of Sports Science and Coaching*. DOI: 10.1177/17479541241248565.

Plotkin, D. L., Rodas, M. A., Vigotsky, A. D., McIntosh, M. C., Breeze, E., Ubrik, R., Robitzch, C, Agyin-Birikorang, A., Mattingly, M.L., Michel, M., Kontos, N.L., Fruge, N, **Wilburn, C.M.**, Weimar, W.H., Bashir, A., Beyers, R.L., Henselmans, M., Contrersa, B.M. & Roberts, M. D. (2023). Hip thrust and back squat training elicit similar gluteus muscle hypertrophy and transfer similarly to the deadlift. *Frontiers in Physiology,* DOI: 10.3389/fphys.2023.1279170.

Jagodinsky, A. E., **Wilburn, C.,** Moore, N., Fox, J. W., & Weimar, W. H. (2020). Ankle Bracing Alters Coordination and Coordination Variability in Individuals With and Without Chronic Ankle Instability. *Journal of Sport Rehabilitation*, *1*(aop), 1-8. DOI: https://doi.org/10.1123/jsr.2019-0380

Jagodinsky, A. E., Angles, R., **Wilburn, C**., & Weimar, W. H. (2020). Lower-Extremity Motor Synergies in Individuals With and Without Chronic Ankle Instability. *Journal of Applied Biomechanics*, 1(aop), 1-7. DOI: https://doi.org/10.1123/jab.2019-0398

Fox, J. W., Jagodinsky, A. E., **Wilburn, C.M.**, Smallwood & Weimar, W.H. (2020) Lower Extremity Joints and Their Contributions to Whole Limb Extension. *International Biomechanics*, 7:1, 1-8, DOI: 10.1080/23335432.2019.1695540

Rehm, J., Jagodinsky, A.E., **Wilburn, C.M.**, Smallwood, L.L., Windham, J., & Weimar, W.H. (2019) Measuring Trunk Stability for Wheelchair Basketball Classification: A New Field Test. *Clinical Kinesiology*

Price, S.L., Williams, R., **Wilburn, C.M.**, Williams, P.T., Wadsworth, D.D., Weimar, W.H., Russell, J.A., & Rudisill, M.E. (2017). Promoting Diversity and Inclusion: Developing Partnerships Between HBCU and PWI. *Kinesiology Review*, 6 (4), 368-374

Iso-Ahola, S.E., Dotson, C.O., Jagodinsky, A.E., Clark, L.C., Smallwood, L.L., **Wilburn, C.,** Weimar, W.H., & Miller, M.W. (2016). Improving performance by anchoring movement and "nerves." *Human Movement Science*, 49, 239-247. DOI: https://doi.org/10.1016/j.humov.2016.07.008

Publications in Review (4)

Rendos NK, **Wilburn C.M.** Exercise Science Students as Research Participants in Faculty-Led Research: An Ethical Dilemma. *Journal of Academic Ethics*.

Wilburn, C.M., Fox, J.W., Jagodinsky, A.E., Decoux, B.E., Williams, P.T, & Weimar, W.H. Influence of Sock Type on the Center of Pressure and Parameters of Walking Gait. *Journal of Applied Biomechanics*.

Weimar, W.H. Fox, J.W. Decoux, B.E., & **Wilburn, C.M.** Using the Fibonacci Sequence to Predict Baseball Pitching Performance. *Scientific Reports*.

Decoux, B.E., **Wilburn, C.M.,** Aldahir, P, & Weimar, W.H. Inter-segmental Coordination Variability During Hopping and Running on Natural and Synthetic Turf Surfaces. *Journal of Sports Science*.

Publications in Preparation (3)

Wilburn, C.M., Fox, J.W., Jagodinsky, A.E., Decoux, B.E., Williams, P.T, & Weimar, W.H. Influence of Sock Type on the Center of Pressure and Parameters of Walking Gait.

Wilburn, C.M., Decoux, B.E., Fawcett, R., Williams, P.T., Fox, J.W., & Weimar, W.H. The Influence of Arch Type on Lower Extremity Kinematics and Kinetics of Jumping Tasks.

Wilburn, C.M., Fox, J.W., Jagodinsky, A.E., Decoux, B.E., Williams, P.T, & Weimar, W.H. Influence of Shoe Lacing Techniques on Walking Gait Parameters.

Grant Activity (10)

Beschorner, K.E., Queen, R.M., Singles, A.A., **Wilburn, C.M.** & Chaudhari, A. (December 2024). NSF Educational and Diversity Grant (Biomechanics and Mechanobiology (BMMB)).
Funding Amount: $20,000. (Pending) 15 % Contributive Credit.

Beschorner, K.E., Queen, R.M., **Wilburn, C.M.** & Chaudhari, A. (December 2024). Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) R-13 Grant.
Funding Amount: $50,000. (Pending) 20 % Contributive Credit.

Beschorner, K.E., Adamcyzk, P.G., Finley, J., Single, A.A., **Wilburn, C.M.** & Myers, S. (January 2024). NSF Educational and Diversity Grant (Biomechanics and Mechanobiology (BMMB)).
Funding Amount: $20,000. (Received) 15 % Contributive Credit.

Adamcyzk, P.G., Finley, J., **Wilburn, C.M.** & Myers, S. (December 2023). Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) R-13 Grant.
Funding Amount: $20,000. (Received) 20 % Contributive Credit.

Weimar, W.H., **Wilburn, C.M.**, & Decoux, B.E. (May 2019). The Influence of Artificial Turf on Head Shock Attenuation. National Operating Committee on Standards for Athletic Equipment.
Funding Amount: $250,000. (Rejected); 25% Contributive Credit

Roper, J.A., Weimar, W.H., **Wilburn, C.M.**, & Angle, C,. (March 2018). The Power of Paws-Understanding to What Extent Our Four-Legged Friend Influences Gait in Healthy Aging. Human Animal Bond Research Institute.
Funding Amount: $45,977. (Rejected); 25% Contributive Credit

Weimar, W.H. & **Wilburn, C.M.** (October 2015). Foot Health in Under-represented Youth. Auburn University Office of University Outreach and Engagement.
Funding Amount: $16,087. (Rejected)

Hendricks, C.S. (Principal), Poposola, S., & **Wilburn, C.M.** (May 2015). Auburn University: Taking "It" To the People Southern Style. Auburn University Office of Outreach.
Funding Amount: $10,000 (Received); 10% Contributive Credit

Hendricks, C.S. (Principal), Poposola, S., & **Wilburn, C.M.** (October 2014). Auburn University: Taking "It" To the People Southern Style. Auburn University Office of Outreach.
Funding Amount: $10,000 (Received); 10% Contributive Credit

Hendricks, C.S. (Principal), Poposola, S., & **Wilburn, C.M.** (October 2013). Auburn University: Taking "It" To the People Southern Style. Auburn University Office of Outreach.
Funding Amount: $10,000 (Received); 10% Contributive Credit

Presentations: Referred & Invited Paper Presentations & Symposia (133)

National and International

2020-present

Pamukoff, D., **Wilburn, C.M.**, & Queen, R.M. (2024). Benefits and Pitfalls of Markless Motion Capture. *To be presented at the American College of Sports Medicine Annual Conference, Atlanta, GA.*

Beschorner, K.E., **Wilburn, C.M.**, Bailes, A., & Queen, R.M. (2024). Developing a Networking Strategy for YOU: A How-to-Network Workshop for Maximizing Value of the American Society of Biomechanics Annual Meeting. *Seminar presented at the American Society of Biomechanics Annual Conference, Madison, Wisconsin.*

Rudisill, M.E., Baweja, H., **Wilburn, C.M.**, Miller, M.W. Shah, N., & Russell, J.A. (2024). Inclusive Excellence: From Intention to Action. *Seminar presented at the American Kinesiology Association Leadership Workshop, Albuquerque, New Mexico.*

Wilburn, C.M., Grace, J.L., Tompkins, J.E., Decoux, B.E., Fox, J.W., Kosek, J.J., Houde, H., Adlou, B., Hancock, M., Drake, K., Iturradle, E., & Weimar, W. H. (2023). An Analysis of Spatiotemporal Parameters Under Various Non-Slip Walking Gait. *Poster*

presented at the American Society of Biomechanics Annual Conference, Knoxville, Tennessee.

Weimar, W.H., Fox, J.W., **Wilburn, C.M.** & Weimar, W.H. (2023). Change of Direction Task Parameters Across Different Surfaces. *Poster presented at the American Society of Biomechanics Annual Conference, Knoxville, Tennessee.*

Decoux, B.E., **Wilburn, C.M.**, & Weimar, W.H. (2023). Frontal and Sagittal Ankle Kinematics During Hopping and Running Differ Between Natural Grass and Artificial Turf Surfaces. *Poster presented at the American Society of Biomechanics Annual Conference, Knoxville, Tennessee.*

Adlou, B., **Wilburn, C.M.**, Decoux, B.E., Wadsworth, D.D., & Weimar, W.H. (2023). Age-Related Lower Extremity Strength and Power Changes in Preschool Children During Their Preschool Program. *Poster presented at the American Society of Biomechanics Annual Conference, Knoxville, Tennessee.*

Houde, H.H., Weimar, W.H, **Wilburn, C.M.**, Kosek, J.J., Grace, J.L., Tompkins, J.E., & Hancock, M.E. (2023). Impact of Classification on Trunk Kinematics in Junior Wheelchair Basketball Athletes. *Poster presented at the American Society of Biomechanics Annual Conference, Knoxville, Tennessee.*

Wilburn, C.M., Decoux, B.E., Mead, J., Williams, P.T., & Weimar, W.H. (2022). Relationship Between Arch Height, Ankle Kinetics, and Electromyography During A Lateral Hopping Task. *Poster virtually presented at the International Society of Posture & Gait Research.*

Decoux, B.E., **Wilburn, C.M** Mead, J., & Weimar, W.H. (2022). The Relationship Between Arch Height and Sagittal Plane Ankle Joint Landing Kinetics During Single-Leg Hopping in Collegiate Athletes. *Poster virtually presented at the International Society of Posture & Gait Research.*

Weimar, W.H., Decoux, B.E., Williams, P.T., Fawcett, R.T., & **Wilburn, C.M.** (2021). Does Arch Height Influence Lateral Jumping? *Poster virtually presented at the American Society of Biomechanics Annual Conference.*

Houde, H, **Wilburn, C.M.**, Fox, J.W., Jagodinsky, A. E., Decoux, B.E., Hartfield, E., Carter, S., Bracher, R, Weimar, W.H. (2021). Put a Sock on It!: Investigation of Various Sock Types on Locomotive Patterns. *Poster virtually presented at the American Society of Biomechanics Annual Conference.*

Kosek, J., **Wilburn, C.M.**, Decoux, B.E., Williams, P.T., Fawcett, R.T., Hill, I.N., & Weimar, W.H. (2021). Impact of Arch Height on Ankle Kinematic During Jumping Tasks. *Poster virtually presented at the American Society of Biomechanics Annual Conference.*

Wilburn, C.M., Decoux, B.E., Williams, P.T., Fawcett, R.T., & Weimar, W.H. (2020). The Effect of Arch Types on Propulsive Forces During Jumping and Hopping Tasks. *Poster*

virtually presented at the American Society of Biomechanics Annual Conference.

Decoux, B.E., **Wilburn, C.M.**, & Weimar, W.H. (2020). Inter-segmental Coordination Variability during Hopping and Running on Natural and Synthetic Turf Surfaces. *Poster virtually presented at the American Society of Biomechanics Annual Conference.*

Weimar, W.H., Fox, J.W., Decoux, B.E., **Wilburn, C.M.**, & Flesig, G. (2020). Does the Fibonacci Sequences Predict Segmental Velocities of the Overhand Throw? *Poster virtually presented at the American Society of Biomechanics Annual Conference.*

2015-2019

Wilburn, C.M., Decoux, B.E., Fawcett, R.T., Williams, P.T., Moore, N.H., & Weimar, W.H. (2019). Effect of Arch Type on the Propulsion Mechanics of Jumping and Hopping Tasks. *Poster presented at the American College of Sports Medicine Annual Conference,* Orlando, FL.

Decoux, B.E., **Wilburn, C.M.**, Moore, N.H., & Weimar, W.H. (2019). Comparison of Single-Leg Hop Parameters Across Different Artificial Turf Systems and Natural Turfgass. *Poster presented at the American College of Sports Medicine Annual Conference,* Orlando, FL.

Weimar, W.H., Decoux, B.E., Moore, N.H., & **Wilburn, C.M.** (2019). Influence of Turf Surface on Change of Direction Parameters. *Poster presented at the American College of Sports Medicine Annual Conference,* Orlando, FL.

Sagawa, H., Jagodinsky, A.E., Zaman, M., **Wilburn, C.M.**, & Weimar, W.H. (2019). Kinetic Strategies During Single-Leg Hopping in Individuals With and Without Chronic Ankle Instability. *Poster presented at the American College of Sports Medicine Annual Conference,* Orlando, FL.

Santillian, C., Jagodinsky, A.E., Zaman, M., **Wilburn, C.M.**, & Weimar, W.H. (2019). Ankle Bracing Effects on Contributions to the Support Moment During Hopping. *Poster presented at the American College of Sports Medicine Annual Conference,* Orlando, FL.

Vasudevaraja, U., Jagodinsky, A.E., Zaman, M., **Wilburn, C.M.**, & Weimar, W.H. (2019). Support Moment Dynamics are Similar in Individuals With and Without Chronic Ankle Instability During Hopping. *Poster presented at the American College of Sports Medicine Annual Conference,* Orlando, FL.

Jagodinsky, A. E., Angles, R., **Wilburn, C.M.**, Weimar, W. H. (2018). Altered Joint Dynamics between Individuals with and without Chronic Ankle Instability. *Poster presented at World Congress of Biomechanics*, Dublin, Ireland.

Weimar, W.H., Decoux, B.E., **Wilburn, C.M.**, Brewer, L.E., & Moore, N.H. (2018). It Matters What You Curl, but not to the Biceps Brachii. *Poster presented at the American Society of Biomechanics Annual Conference*, Rochester, MN.

Fox, J.W., Jagodinsky, A.E., **Wilburn, C.M.**, Smallwood, L.L., & Weimar, W.H. (2018). Single-Joint Strength Curves from a Multi-Joint Task. *Poster presented at the American Society of Biomechanics Annual Conference*, Rochester, MN.

Rehm, J., Jagodinsky, A., **Wilburn, C.**, Smallwood, L., Wright, T., Windham, J, & Weimar. W. (2018). Can a novel reach test differentiate among functional groups? *North American Federation of Adapted Physical Activity 2018 Symposium*, Corvalis, Oregon.

Jagodinksy, A.E., Angles, R., **Wilburn, C.M.**, & Weimar, W.H. (2018). Bracing Effects on Lower Extremity Movement Dynamics in Individuals With and Without Chronic Ankle Instability. *Poster presented at the American College of Sports Medicine Annual Conference, Minneapolis, MN.*

Angles, R., Jagodinsky, A.E., **Wilburn, C.M.**, & Weimar, W.H. (2018). Altered Movement Dynamics Between Individuals With and Without Chronic Ankle Instability Before and After Bracing. *Poster presented at the American College of Sports Medicine Annual Conference, Minneapolis, MN.*

Price, S.L., Weimar, W. H., Wadsworth, D., **Wilburn, C.M**., Williams, P.T., & Rudisill, M.E. (2017). Research Collaborations between Majority and Minority Serving Institution: Auburn University and Florida A&M University makes it happen. *Orally presented at American Kinesiology Leadership Workshop*, Westlake, TX.

Rehm, J., Jagodinsky, A., **Wilburn, C.,** Smallwood, L., Wright, T., Windham, J, & Weimar. W. (2016) Measuring Trunk Stability for Wheelchair Basketball Classification, North American Federation of Adapted Physical Activity 2016 Symposium, Edmonton, Canada.

Rehm, J., Jagodinsky, A., **Wilburn, C.,** Smallwood, L., Wright, T., Windham, J, & Weimar. W. (2016) Measuring Volume of Action for Wheelchair Basketball Classification, North American Federation of Adapted Physical Activity 2016 Symposium, Edmonton, Canada.

Iso-Ahola, S. E., Jagodinsky, A. E., Clark, L. C. , Smallwood, L. L., **Wilburn, C.,** Weimar, W. H., Dotson, C. O., & Miller, M. W. (2016). Improving performance by anchoring movement and "nerves". *Poster presented at the North American Society for the Psychology of Sport and Physical Activity Annual Meeting*, Montreal, Canada.

Wilburn, C.M., Fox, J.W., Jagodinsky, A.E., Nabity, C.E., Javage, E.A., Smallwood, L.L., Williams, P.T., Moore, N. H., Kitchens, M.W., Bois, K.R., & Weimar, W.H. (2016). The influence of Sock Type on Foot Function During Walking Gait. *Orally presented at National Black Graduate and Professional Student Association Annual Conference. Houston, TX.*

Fox, J.W., Jagodinsky, A.E., Smallwood, L.L., **Wilburn, C.M.**, & Weimar, W.H. (2015). Influence of a Self- Induced Drop on Vertical Jump Performance. *Poster presented at American Society of Biomechanics Annual Conference,* Columbus, OH.

Smallwood, L.L., Jagodinsky, A.E., **Wilburn, C.M.**, & Weimar, W.H. (2015). Influence of Heel Type on Stride Length. *Poster presented at American Society of Biomechanics Annual Conference,* Columbus, OH.

Regional
2020-present

Rendos N.K., **Wilburn, C.M.**, Adlou, B., Turner, A.J., Griffith, A., Jacobs, M.V., & Samaan, M.A. (2025). You Just Graduated. Now What? A Glimpse at Careers in Industry. *Tutorial to be presented at the Southeast American College of Sports Medicine Annual Conference, Greenville, SC*.

Weimar, W.H., Adlou, B., Grace, J.L. & **Wilburn, C.M.** (2025). Gait Parameters Variability During Obstacle Avoidance. *Poster to be presentation at the Southeastern American College of Sports Medicine Annual Conference, Greenville, SC.*

Grace, J.L., Adlou, B., Tortice, G., Schindler, M., Penney, T. Simmons, A., Pounders, L., **Wilburn, C.M.**, & Weimar, W.H. (2025). Differences in Jump Height Across Time After Wearing Minimalist Footwear. *Poster to be presentation at the Southeastern American College of Sports Medicine Annual Conference, Greenville, SC.*

Adlou, B., Grace, J.L., Schindler, M., Tortice, G., Sanders, E., Barnett, B., **Wilburn, C.M.**, & Weimar, W.H. (2025). Acclimatization to Minimalist Footwear: Impact on Foot Structure and Gait. *Poster to be presentation at the Southeastern American College of Sports Medicine Annual Conference, Greenville, SC.*

Wilburn, C.M. , Decoux, B.E., & Weimar, W.H. (2024). Thinking Outside the Box: A Pragmatic Approach Toward Teaching Today's Exercise Science Students. *Tutorial orally presented at the Southeastern American College of Sports Medicine Annual Conference, Greenville, SC.*

Hancock, M.E., **Wilburn, C.M.**, Grace, J.L., Tompkins, J.E., Houde, H.H., Adlou, A., Decoux, B.E, & Weimar, W.H. (2024). Examination of Sagittal Ankle Kinematics in Compressive Non-Slip Socks on Different Surfaces. *Poster presented at the Southeastern American College of Sports Medicine Annual Conference, Greenville, SC.*

Grace, J.L., Hancock, M.E., **Wilburn, C.M.**, Houde, H.H., Kosek, J.J., Adlou, B., & Weimar, W.H. (2024). Technical Video Analysis of Elite American Football Athletes During Vertical Jump. *Poster presented at the Southeastern American College of Sports Medicine Annual Conference, Greenville, SC.*

Kosek, J.J., Houde, H.H., Grace, J.L., Adlou, B, Hancock, M.E, Tompkins, J.E., **Wilburn, C.M.**, & Weimar W.H. (2024). Co-Contraction During a Reactionary Drop Jump: Single-Sport and Multi-Sport Athletes Are Not Different. *Poster presented at the Southeastern American College of Sports Medicine Annual Conference, Greenville, SC.*

Adlou, B., Grace, J.L., Prince, A., Wheeler, E., Devane, E., Sikes, D., Kim, S., Kim, C., Altson, M., Kosek, J.J., Houde, H.H., Hancock, M.E, **Wilburn, C.M.**, & Weimar, W.H. (2024). Playing Surface Transition and Injury Rates in NFL- A Comparative Study on Grass and Turf. *Poster presented at the Southeastern American College of Sports Medicine Annual Conference, Greenville, SC.*

Wilburn, C.M., Decoux, B.E., & Weimar, W.H. (2023). Dip Your Toes in Our Academic Water. *Tutorial orally presented at the Southeastern American College of Sports Medicine Annual Conference, Greenville, SC.*

Hancock, M.E., **Wilburn, C.M.**, Decoux, B.E., Tompkins, J.E., Houde, H.H., Kosek, J.J., Adlou, B, Grace, J.L. & Weimar, W.H. (2023). Stride Length Vs. Center of Mass Location: An Exploratory Examination of Gait Patterns. *Poster presented at the Southeastern American College of Sports Medicine Annual Conference, Greenville, SC.*

Grace, J.L., **Wilburn, C.M.**, Decoux, B.E., Tompkins, J.E., Houde, H.H., Kosek, J.J., Adlou, B, Hancock, M.E., & Weimar, W.H. (2023). Lower Extremity Sagittal Plane Kinematics in Non-slip Socks During Gait. *Poster presented at the Southeastern American College of Sports Medicine Annual Conference, Greenville, SC.*

Tompkins, J.E., **Wilburn, C.M.**, Decoux, B.E., Houde, H.H., Kosek, J.J., Adlou, B, Hancock, M.E. & Weimar, W.H. (2023). Examination of Gait Parameters in Various Non-slip Socks. *Poster presented at the Southeastern American College of Sports Medicine Annual Conference, Greenville, SC.*

Kosek, J.J., Hill, I.N., Houde, H.H., **Wilburn, C.M.**, & Weimar, W.H. (2023). Influence of an Extended Preparatory Arm Swing on the Kinetics of Horizontal and Vertical Jumping. *Poster presented at the Southeastern American College of Sports Medicine Annual Conference, Greenville, SC.*

Wilburn, C.M, Decoux, B.E, Williams, P.T., Hill, I.N., Kosek, J., Weimar, W.H., & Price, S. (2020). Taking the Best Foot Forward. *Tutorial was orally presented at the Southeastern American College of Sports Medicine Annual Conference*, Jacksonville, FL.

Wadsworth, D.D., Weimar, W.H., **Wilburn, C.M.**, & Decoux, B.E. (2020). Musculoskeletal Fitness in Preschoolers: A Biomechanical Prespective. *Tutorial was orally presented at the Southeastern American College of Sports Medicine Annual Conference*, Jacksonville, FL.

Hill, I.N., Weimar, W.H., **Wilburn, C.M.**, Decoux, B.E., Moore, N.H., Kosek, J., & Wadsworth, D.D. (2020). Fitness Assessments in Preschoolers. *Poster presented at the Southeastern American College of Sports Medicine Annual Conference*, Jacksonville, FL.

Kosek, J.J., Wadsworth, D.D., Weimar, W.H., Wilburn, C.M., Decoux, B.E, Moore, N.H., & Hill, I.N. (2020) Power in Preschoolers. *Poster presented at the Southeastern American College of Sports Medicine Annual Conference*, Jacksonville, FL.

2014-2019

Wilburn, **C.M.**, Decoux, B.E., Fawcett, R.T., Brewer, R.T., Williams, P.T., Moore, N.H., Smallwood, L.L., & Weimar, W.H. (2019). Effect of Arch Type on Center of Mass Displacement and Kinetics During Lateral Hopping. *Thematic poster presented at the Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Weimar, W.H., **Wilburn, C.M.**, Decoux, B.E., & Roper, J.A. (2019) Walk with Us. *Oral presentation presented at the Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Decoux, B.E., **Wilburn, C.M.**, Moore, N.H., & Weimar, W.H. (2019). Comparison of Single-Leg Hop Parameters Across Different Artificial Turf Systems and Natural Turfgass. *Poster presented at the Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Fox, J.W., **Wilburn, C.M.**, Jagodinsky, A.E., Smallwood, L.L., & Weimar, W.H. (2019). Comparison of Optimal and Isometric Force in Squats. *Poster presented at the Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Moore, N.H., Decoux, B.E., **Wilburn, C.M.**, & Weimar, W.H. (2019). Change in Direction Task Across Direction Playing Surfaces. *Poster presented at the Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Wilburn, **C.M.**, Decoux, B.E., Fawcett, R.T., Brewer, R.T., Williams, P.T., Moore, N.H., Smallwood, L.L., & Weimar, W.H. (2018). The Influence of Arch Height on Propulsion Mechanics during Forward Hopping and Lateral Jumping Tasks. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Chattanooga, TN.

Decoux, B.E., **Wilburn**, **C.M.,** Fawcett, R.T., Brewer, R.T., Williams, P.T., Moore, N.H., Smallwood, L.L., & Weimar, W.H. (2018). Relationship Between Arch Stiffness, Vertical Stiffness, Loading Rate, and Hopping Frequency During Unilateral Stationary Hopping Among Male Collegiate Athletes. *Oral presented Southeastern American College of Sports Medicine Annual Conference,* Chattanooga, TN.

Weimar, W.E., **Wilburn, C.M**., Decoux. B.E., Fawcett, R.T., Brewer, L.E. & Moore, N.M. (2018) Effect of Arch Flexibility on Propulsive Parameters of Hopping. *Orally presented at Southeastern American College of Sports Medicine Annual Conference,* Chattanooga, TN.

Fox, J.W., **Wilburn, C.M.**, Jagodinsky, A.E., Smallwood, L.L., & Weimar, W.H. (2018) Ground Reaction Force from the Hip, Knee, and Ankle in Isometric Leg Extension. *Orally presented at Southeastern American College of Sports Medicine Annual Conference,* Chattanooga, TN.

Brewer, L.E., Decoux, B.E., **Wilburn, C.M.**, Moore, N.H., Fawcett, R.T., & Weimar, W.H. (2018) Effect of Pack Load Position on Trunk Flexion During Obstacle Task. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Chattanooga, TN.

Moore, N.H., Brewer, L.E., Decoux, B.E., **Wilburn, C.M.**, Smallwood, L.L., Williams, P.T., & Weimar, W.H. (2018). Influence of Preparatory Arm Motion on Peak Vertical Force, Resultant Horizontal Ground Reaction Force, and Propulsion Angle. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Chattanooga, TN.

Williams, P.T., **Wilburn, C.M**., Dupiton, M.E., Morris, M.A., Mcroy, J.E., Price, S.L., & Weimar, W.H. (2017). Foot Morphology of School Aged Children in A Developmental Research School. *Poster presented at the American Society of Biomechanics Annual Conference, Boulder, CO.*

Wilburn, **C.M.**, Fox, J.W., Jagodinsky, A.E., Decoux, B.E., Williams, P. T., Brewer, L.E., Smallwood, L.L., Moore, N.H., Kitchens, M.W. & W.H. Weimar. (2017). The Interaction of Arch Height Stiffness and Center of Pressure Mediolateral Deviation in Different Sock Types. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Decoux, B.E., **Wilburn**, **C.M.**, Brewer, L.E., Fox, J.W., Jagodinsky, A.E., Williams, P. T., Smallwood, L.L., Moore, N.H., Kitchens, M.W. & W.H. Weimar. (2017). Investigation of Static Versus Dynamic Arch Height Stiffness and Bilateral Symmetry During Barefoot Walking. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Williams, P. T., **Wilburn**, **C.M.**, Dupiton, M.E., Morris, M.A., McRoy, J.E., Price, S.L., Smallwood, L.L., Kitchens, M.W., Moore, N.H., Decoux, B.E., Brewer, L.E., & Weimar, W.H. (2017). Arch Height Stiffness and Arch Height Index Across Grades. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Kitchens, M.W., Jagodinsky, A.E., **Wilburn**, **C.M.**, Moore, N.H., Bois, K.R., Bois, & Weimar, W.H. (2017). The Influence of an Isometric Squat on Vertical Jump. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Moore, N.H., Kitchens, M.W., Brewer, L.E., Decoux, B.E., **Wilburn**, **C.M.**, Smallwood, L.L.,

Williams, P. T., & Weimar, W.H. (2017). Influence of Preparatory Arm Motion on Running Acceleration. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Smallwood, L.L., Williams, P. T., Moore, N.H., Kitchens, M.W., **Wilburn**, **C.M.**, & Weimar, W.H. (2017). Interaction of High Heel Shoe Insert During Gait. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Wilburn, C.M., Fox, J.W., Nabity, C.E., Javage, E.A., Jagodinsky, A.E., & Smallwood, L.L. (2016). Quantifying the Effects of Athletic Socks on Foot Function During Gait. *Orally presented at the Auburn University: This is Research Student Annual Symposium.* Auburn University.

Nabity, C.E., **Wilburn, C.M.**, Fox, J.W., Javage, E.A., Jagondinsky, A.E., & Smallwood, L.L. (2016). Influence of Sock Type on Gait Parameters. *Poster presented at the Auburn University: This is Research Student Annual Symposium.* Auburn University.

Javage, E.A., **Wilburn, C.M.,** Fox, J.W., Nabity, C.E., Jagodinsky, A.E., & Smallwood, L.L. (2016). The Effect of an Alternative Lacing Strategy on Gait Parameters. *Poster presented at the Auburn University: This is Research Student Annual Symposium.* Auburn University.

Wilburn, C.M., Fox, J.W., Jagodinsky, A.E., Smallwood, L.L., Moore, N.H., Kitchens, M.W., Bois, K. R., Williams, P.T., & Weimar, W.H. (2016) The Impact of Sock Type on the Center of Pressure and Spatio-Temporal Parameters of Gait. *Thematic poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Nabity, C.E., **Wilburn, C.M**, Fox, J.W., Javage, E.A., Jagodinsky, A.E., Smallwood, L.L., & Weimar, W.H. (2016). Interaction of Arch Type and Various Socks on Center of Pressure Deviation. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Javage, E.A, **Wilburn, C.M.**, Fox, J.W., Nabity, C.E., Jagodinsky, A.E., Smallwood, L.L., & Weimar, W.H. (2016). The Effect of Arch Type and Sock Type During Shod Gait. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* SC.

Moore, N.H., **Wilburn, C.M.,** Fox, J.W., Jagodinsky, A.E., Smallwood, L.L., Kitchens, M.W., Bois, K. R., Williams, P.T., Brewer, J.M. & Weimar, W.H. (2016). The Impact of Athletic and Cotton Socks on Toe In and Out and Walking Velocity During Shod Gait. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Bois, K.R., **Wilburn, C.M.,** Fox, J.W., Jagodinsky, A.E., Smallwood, L.L., Moore, N.H., Kitchens, M.W., Bois, K. R., Williams, P.T., Brewer, J.M. & Weimar, W.H. (2016). The Impact of Sock Type on Stride Length and Stride Frequency. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Kitchens, M.W., **Wilburn, C.M.,** Fox, J.W., Jagodinsky, A.E., Smallwood, L.L., Moore, N.H.., Bois, K. R., Williams, P.T., Brewer, J.M. & Weimar, W.H. (2016). Influence of Arch Height and Sock Type on Toe-In and Toe-Out During Gait. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Williams, P.T., **Wilburn, C.M., .,** Fox, J.W., Jagodinsky, A.E., Smallwood, L.L., Moore, N.H., Kitchens, M.W., Bois, K. R., & Weimar, W.H. (Feb. 2016). The Effect of Arch Type and Sock Type During Shod Gait with a Runner's Loop Lacing Strategy. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Smallwood, L.L., **Wilburn, C.M.,** Jagodinsky, A.E., Moore, N.H., Kitchens, M.W., Bois, K.R., & Weimar, W.H. (2016). Interaction of Shoe Type on Stride Parameters. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Fox, J.W., Jagodinsky, A.E., **Wilburn, C.M.**, Smallwood, L.L., & Weimar, W.H. (2016). Force Capacity Increases With Leg Extension. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Irwin, J.M, Rudisill, M.E., **Wilburn, C.M.**, & Weimar, W.H. (2015). Team Player: The Role of Balance in Development of Fundamental Motor Skills. A Pilot Study. *Orally presented at Auburn University: This is Research Student Annual Symposium.* Auburn, Alabama.

Hendricks, C.S., Popoola, S., & **Wilburn, C.M.** (2015). Taking Health Promotion Self Care to People Southern Style. *Orally presented at Alabama State Nurse Association Elisabeth A. Morris Annual Clinical Session.* Montgomery, AL.

Hendricks, C.S., Popoola, S., & **Wilburn, C.M.** (2015). Digital Signage Connecting Self-Care Health Promotion Outreach. *Orally presented at Auburn University Outreach Scholarship Annual Symposium*. Auburn, AL.

Wilburn, C.M., Fox, J.W., Jagodinsky, A.E., Smallwood, L.L., & Weimar, W.H. (2015). Influence of Shoe Lacing Strategies on Center of Pressure Deviation. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Jacksonville, FL.

Smallwood, L.L., Fox, J.W., Jagodinsky, A.E., **Wilburn, C.M.**, Weimar, W.H. (2015). Examination of Spatiotemporal Parameters Involving Shoe Lacing Strategies and Gait. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Jacksonville, FL.

Hendricks, C.S., Popoola, S., & **Wilburn, C.M.** (2014). Using Translational Strategies & Technology to Promote Healthy Lifestyles. *Orally presented at Biomedical Research Symposium and Phi-Zeta Research Day Annual Conference.* Tuskegee, AL.

Hendricks, C.S., Popoola, S., & **Wilburn, C.M.** (2014). Taking "It" to the People Southern Style (AU: TIPSS). *Orally presented at Auburn University Research Week Annual Symposium.* Auburn, AL.

Jagodinksy, A.E., Fox, J.W., Smallwood, L.L., **Wilburn, C.M.,** & Weimar, W.H. (2014). The Effect of Arch Height and Stiffness on Center of Pressure Differences Between Shoe Lacing Strategies. *Poster presented at Southeastern American College of Sports Medicine Annual Conference,* Greenville, SC.

Hendricks, C.S., Popoola, S., & **Wilburn, C.M.** (2014). AU TIPSS- Enhancing Outreach with Technology. *Orally presented at Auburn University Outreach Scholarship Annual Symposium.* Auburn, AL.