

CURRICULUM VITAE

Name: Dr. Amber Murphy

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Melbourne, FL 32901

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Email: drmurphy@compusport.org

Education:

Concordia University, Chicago
2015-2021
Health and Human Performance
Doctor of Philosophy, Ph.D., 2021

University of South Florida
2012-2013
Biomechanics/Engineering Science

Walden University
2008-2010
Education
Master of Science, M.S., 2010

University of Central Florida
2002-2008
Education

University of Central Florida
1995-2000
Liberal Science
Bachelor of Science, B.S., 2000

Employment and Experience:

1988-2010 Analyst; CompuSport LLC
 Responsibilities:
 1. Digitize high speed film of Olympic sprinters and hurdlers
 2. Film Olympic sprinters and hurdlers in competition

2010-2023	Partner, Head Analyst; CompuSport LLC Responsibilities 1. Film A standard track and field athletes, NCAA division I football athletes preparing for the draft, Olympic bobsled athletes and Major League Baseball athletes in practice and provide immediate feedback 2. Film A standard track and field athletes and World Cup speed skating athletes in competition 3. Analyze data collected, provide biomechanical feedback on this data 4. Develop motor learning tools for athletes and coaches to correct biomechanics 5. Use and interpret force plate data from instrumented starting blocks
2017	Regional Biomechanist; USA Track and Field Responsibilities: 1. On-track filming and biomechanical evaluation of elite sprint athletes in practice and competition 2. Video processing and data analysis of elite athletes 3. Develop and present a training seminar for coaches, exercise scientists and athletes
2024-Present	President & CEO of Pond Investments, LLC dba Compusport LLC, a Florida based single member LLC
2026	Expert Biomechanics Consultant

Other Professional Activities:

Certified Strength and Conditioning Specialist Certification 2011

FMS Level One Certification 2011

USATF Level One Sprints and Hurdles Coaching Certification 2011

Assistant to Biomechanics Consultant, United States Olympic Track and Field Team 2011-2018

Program Developer, Elite Athlete Sprint and Hurdle Seminar 2011-2018

Books (Authored)

Mann, Ralph V., **Murphy, A.** The Mechanics of Sprinting and Hurdling. 2024.

Murphy, A., Mann, Ralph V. The Science of Speed. 2026.

Peer Reviewed Publications

Murphy, A., Clark, K. P., Murray, N., Melton, B., Mann, R., & Rieger, R. (2021). Relationship between anthropometric and kinematic measures to practice velocity in elite American 100 m sprinters. *Journal of Clinical and Translational Research*, 7(5), 682.

Murphy, A., Mann, R., & Melton, B. (2019). Prevention of hamstring injuries in sprinters. *NSCA Coach*, 6(3), 22–24. <https://www.nasca.com/education/articles/nsca-coach/prevention-of-hamstring-injuries-in-sprinters/>