

**CURRICULUM VITAE**  
**Mark D. Tillman, Ph.D.**

**ADDRESS**

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**EDUCATION**

Ph.D. University of Florida, August 1999  
Major: Health and Human Performance  
Specialization: Biomechanics  
Dissertation Title: "Gender differences and predisposition toward a mechanism of anterior cruciate ligament injuries: A biomechanical and anthropological approach."

M.S. University of Florida, August 1995  
Major: Engineering Mechanics  
Specialization: Biomechanics

B.S. University of Florida, May 1994  
Major: Engineering Sciences  
Specialization: Biomedical Engineering  
Honor Graduate

**LEADERSHIP TRAINING**

2013-2017 National Association for Kinesiology in Higher Education Leader Development Workshop

The NAKHE Leader Development Workshop focuses on providing opportunities for kinesiology faculty to discuss leadership in the field by working on common problems with senior leaders and administrators.

2015 Troy University Chancellor's Fellows

One of five individuals selected to participate in the Chancellor's Fellows program produced by the Institute for Leadership Development at Troy University. Participants are selected based on their leadership potential and service to the University and are provided extensive executive leadership training; meetings with key TROY personnel; visits to offices in state government, education and business; interaction with the Chancellor and Senior Vice Chancellors; one-on-one mentoring; and opportunities to shadow vice chancellors and attend meetings of the Board of Trustees and other key boards and committees.

## ACADEMIC EMPLOYMENT HISTORY

### Professor and Dean (Tenured), Kennesaw State University, WellStar College of Health and Human Services

July 2016 to present

*Administrative responsibilities:* Chief administrative officer of the teaching, scholarly and service programs of the WellStar College of Health and Human Services encompassing four departments and schools: Department of Exercise Science & Sport Management, Department of Health Promotion & Physical Education, Department of Social Work & Human Services, and the WellStar School of Nursing. The WellStar College is the third largest at KSU with nearly 4,000 students. These students are served by over 100 full time faculty members and approximately 40 full time staff. The WellStar College also houses the Academy for Inclusive Learning and Social Growth which offers a fully inclusive college experience to students with different intellectual or developmental abilities. The program focuses on social integration, career exploration, and training.

### Professor and Dean (Tenured), Troy University, Health and Human Services

August 2015 to July 2016

*Administrative responsibilities:* Chief administrative officer of the teaching, scholarly and service programs of the College of Health and Human Services encompassing four departments and schools: Department of Social Work and Human Services; Department of Kinesiology & Health Promotion, School of Hospitality, Sport and Tourism Management, and the School of Nursing. Job duties were directly related to eight accreditations: Accreditation Commission for Education in Nursing (ASN, BSN, MSN, & DNP), Commission on Accreditation of Athletic Training Education, National Council for Accreditation of Teacher Education (Health and Physical Education), and Council on Social Work Education. The College also housed the only two doctoral programs at Troy at the time.

- Supported the launch of the first Ph.D. program at TROY (Sport Management)
- Oversaw the initiation of the MSW program on three campuses

### Professor and Interim Dean (Tenured), Troy University, Health and Human Services

July 2014 to August 2015

*Administrative responsibilities:* As above.

Professor and Chair (Tenured), Troy University, Kinesiology and Health Promotion  
August 2013 to August 2015

*Administrative responsibilities:* Primary Manager of departmental activities and programs related to teaching, research, and service within Kinesiology and Health Promotion. The department offers traditional and on-line courses leading to accredited B.S. and M.S. degrees in Athletic Training, Exercise Science, Health Education, Physical Education, and Sport and Fitness Management.

- Facilitated the initiation of the Exercise Science major which continues to be the fastest growing major on campus
- Supervised the launch of an on-line Nutrition minor including hiring of an independent contractor and adjunct instructors
- Directed technology upgrades to departmental classroom facilities and main office
- Created a study abroad agreement with the Technischen Universität Darmstadt and the Goethe-Universität Frankfurt am Main in Germany
- Reviewed and revised on-line course offerings to improve alignment with university strategic goals

*Courses taught:*

KHP 3352 Kinesiology

KHP 4496 Biomechanics/KHP L496 Biomechanics Lab

KHP 6623 Graduate Biomechanics

Associate Professor (Tenured), University of Florida, Applied Physiology and Kinesiology

August 2007 to August 2013

*Administrative responsibilities:* Active member of committees at university, college, and departmental levels.

- Directed evaluations of Administrators (Dean, Associate Deans, and Chairs)
- Vetted and modified Annual Performance Reports for evaluating faculty merit
- Served as co-director of a study abroad program with the Technischen Universität Darmstadt (12 years)
- Established policies and procedures for academic infrastructure and support to include review of FERPA training, space allocation needs for libraries, technology grants and fees, open access, and intellectual property/privacy issues
- Active participant in shared governance via Faculty Senate and College Council: strategic planning, budget reports, curriculum issues, tenure and promotion

*Courses taught:*

APK 2100/PET 2320 Applied Human Anatomy

APK 3220/PET 3340 Biomechanical Basis of Human Movement

PET 4948 Practicum in ESS

PET 6905 Directed Independent Study

PET 6910 Supervised Research

HSC 6905/4906 International Topics in Health and Human Performance

APK 6226 Biomechanics of Human Movement

Interim Director: Living Well (Faculty and Staff Fitness Center), University of Florida,  
Health and Human Performance  
June 2011-July 2011

Assistant Professor, University of Florida, Applied Physiology and Kinesiology  
August 2000 to August 2007

*Courses taught:*

APK 2100/PET 2320 Applied Human Anatomy  
APK 3220/PET 3340 Biomechanical Basis of Human Movement  
PET 4948 Practicum in ESS  
PET 6905 Directed Independent Study  
PET 6910 Supervised Research  
HSC 6905/4906 International Topics in Health and Human Performance  
APK 6226 Biomechanics of Human Movement

Assistant Professor, Stetson University, Sport & Exercise Science  
August 1999 to May 2000

*Courses taught:*

SES 303 Motor Learning and Development  
SES 310 Human Anatomy & Physiology I-Lab  
SES 311 Human Anatomy & Physiology II-Lab  
SES 313 Kinesiology  
SES 440 Special Topics in Biomechanics  
SES 498 Senior Research

Instructor, University of Florida, Exercise and Sport Sciences

August 1998 to May 1999

*Course taught:* PET 3340 Biomechanical Basis of Human Movement

Graduate Teaching Assistant, Anatomy Laboratory, University of Florida

August 1996 to May 1999

*Course taught:* PET 2320 Applied Human Anatomy-Lab

Research Assistant, Biomechanics Laboratory, University of Florida

May 1998 to August 1998

*Project:* Gender differences and predisposition toward anterior cruciate ligament injury:  
A biomechanical and anthropological approach

Research Assistant, Motor Behavior Laboratory, University of Florida

November 1997 to January 1998

*Project:* Stroke Rehabilitation

Research Assistant, Paromed Medzinteknik, Neubeuern, Germany

April 1996 to July 1996

Graduate Teaching Assistant, Senior-level Engineering Design EGM 4000/4001,  
University of Florida

May 1994 to May 1995

## **HONORS AND AWARDS**

- 2012 Anderson/College of Liberal Arts and Sciences Scholar Faculty Honoree  
-awarded to faculty who have greatly influenced undergraduate students named as Anderson Scholars (GPA greater than 3.9/4.0 in their first two years)
- 2011 Anderson/College of Liberal Arts and Sciences Scholar Faculty Honoree
- 2010 Fellow American College of Sports Medicine
- 2010 Anderson/College of Liberal Arts and Sciences Scholar Faculty Honoree
- 2009 Anderson/College of Liberal Arts and Sciences Scholar Faculty Honoree
- 2008 Anderson/College of Liberal Arts and Sciences Scholar Faculty Honoree
- 2007 Anderson/College of Liberal Arts and Sciences Scholar Faculty Honoree
- 2006-2007 College of Health and Human Performance Teacher of the Year
- 2006 Anderson/College of Liberal Arts and Sciences Scholar Faculty Honoree
- 2005 Anderson/College of Liberal Arts and Sciences Scholar Faculty Honoree
- 2004 Anderson/College of Liberal Arts and Sciences Scholar Faculty Honoree
- 2003 Anderson/College of Liberal Arts and Sciences Scholar Faculty Honoree
- 2002 Anderson/College of Liberal Arts and Sciences Scholar Faculty Honoree
- 2001 Anderson/College of Liberal Arts and Sciences Scholar Faculty Honoree
- 2004 Distinguished Member of The National Society of Collegiate Scholars  
-awarded for commitment to the ideals of Scholarship, Leadership, and Service
- 2003 Honorary Member of the Student Athletic Trainers Organization  
-awarded for dedication and support of the athletic training program
- 2002-2003 College of Health and Human Performance Teacher of the Year
- 2002 Favorite Faculty Member as voted by Exercise & Sport Sciences Students
- Norma M. Leavitt Graduate Scholarship, January 1998
- President's Honor Roll, 1994
- Engineering Dean's List, 1993-1994
- Florida Undergraduate Academic Scholarship, 1988

## REFEREED PUBLICATIONS

1. Joshi, G., Gezan, S., Delisle, T., Stopka, C. Pigg, M., & **Tillman, M.** (2017). College students as informal caregivers and their attitudes towards older adults and relatives. The International Journal of Aging and Society, (in press).
2. Zukowski, L.A., Hass, C.J., Schectman, O., Christou, E.A., **Tillman, M.D.** (2017). The effect of wheelchair propulsion style on changes in time spent in extreme wrist orientations after a bout of fatiguing propulsion. Ergonomics, Mar 21:1-10. doi: 10.1080/00140139.2017.1303084. [Epub ahead of print] PMID: 28322620
3. Roper, J.A., Roemmich, R.T., **Tillman, M.D.**, Terza, M.J., Hass, C.J. (2017). Split-belt treadmill walking alters lower extremity frontal plane mechanics. Journal of Applied Biomechanics, Jan 13:1-16. doi: 10.1123/jab.2016-0059. [Epub ahead of print] PMID: 28084861
4. Zukowski, L.A., Christou, E.A., Shechtman, O., Hass, C.J. & **Tillman, M.D.** (2017). The effect of propulsion style on wrist movement variability during the push phase after a bout of fatiguing propulsion. Physical Medicine & Rehabilitation, 9(3): 265-274.
5. Stegemoller, E, Zaman, A. MacKinnon, C.D., **Tillman, M.D.**, Hass, C.J. & Okun, M.S. (2016). Laterality of repetitive finger movement performance and clinical features of Parkinson's disease. Human Movement Science, 49: 116-123.
6. Larkin-Kaiser, K.A., Borsa, P.A., Bawaje, H.S. Moore, M.A., **Tillman, M.D.**, George, S.Z., & Christou, E.A. (2016). Photobiomodulation delays the onset of skeletal muscle fatigue in a dose-dependent manner. Lasers in Medical Science, 31(7): 1325-1332.
7. Stegemoller, E.L., Uzochukwu, J., **Tillman, M.D.**, McFarland, N.R., Subramony, S.H., Okun, M.S., & Hass, C.J. (2015). Repetitive finger movement performance differs among Parkinson's disease, Progressive Supranuclear Palsy, and spinocerebellar ataxia. Journal of Clinical Movement Disorders, 2:6.
8. Roper, J.A., Terza, M.J., **Tillman, M.D.**, & Hass, C.J. (2016). Adaptation strategies of individuals with anterior cruciate ligament reconstruction. The Orthopaedic Journal of Sports Medicine, 4(2): 2325967115627611.
9. Joshi, G., Gezan, S., Delisle, T., Stopka, C. Pigg, M., & **Tillman, M.** (2015). Intentions of College Students to Serve as Informal Caregivers for Their Older Relatives: Theory of Planned Behavior Approach. Educational Gerontology, 41(5), 384-396.
10. Otzel, D.M., Chow, J.W., & **Tillman, M.D.** (2015). Long-term Deficits in Quadriceps Strength and Activation Following Anterior Cruciate Ligament Reconstruction. Physical Therapy in Sport, 16(1), 22-28.
11. Larkin-Kaiser, K.A., Christou, E., **Tillman, M.**, George, S. & Borsa, P.A. (2015). Near-Infrared Light Therapy to Attenuate Strength Loss After Strenuous Resistance Exercise. Journal of Athletic Training, 50(1), 45-50.

12. Vallabhajosula, S., Haq, I.U., Hwynn, N., Oyama, G., Okun, M., **Tillman, M.D.**, & Hass, C.J. (2015). Low-Frequency versus High-Frequency Subthalamic Nucleus Deep Brain Stimulation on Postural Control and Gait in Parkinson's Disease: A Quantitative Study. Brain Stimulation, 8(1), 64-75.
13. Zukowski, L.A., Roper, J.A. Shechtman, O., Otzel, D.M., Hovis, P.W, & **Tillman, M.D.** (2014). Wheelchair Ergonomic Hand Drive Use Improves Wrist Mechanics Associated with Carpal Tunnel Syndrome. Journal of Rehabilitation Research and Development, 51(10), 1515-1524.
14. Parr, D.P., Hass, C.J., & **Tillman, M.D.** (2014). Cellular Phone Texting Impairs Gait in Able-bodied Young Adults. Journal of Applied Biomechanics, 30(6), 685-688.
15. Delisle, A, Piazza-Gardner, A.K., Cowen, T., Sayedul Huq, M., Stopka, C. & **Tillman, M.D.** (2014). Validation of a Cardiorespiratory Fitness Assessment for Firefighters. Journal of Strength and Conditioning Research, 28(10), 2717-2723.
16. Da Costa, P.D., da Cunha Sa-Caputo, D., Arnobio, A., Pacheco, R., Kutter, R. Giehl, P.M., Paiva, D.N., Marin, P.J., Salmon, J.R., **Tillman, M.**, & Bernardo-Filho, M. (2014). Whole-body vibration and benefits for people with osteoarthritis: A systematic review. International Journal of Medicine and Medical Sciences, 6(9), 201-210.
17. Zukowski, L.A., Roper, J.A., Otzel, D.M., Bouwkamp, J., Shechtman, O., & **Tillman, M.D.** (2014). A Comparison of Metabolic Cost, Performance, and Efficiency of Propulsion Using an Ergonomic Hand Drive Mechanism and a Conventional Manual Wheelchair. Archives of Physical Medicine and Rehabilitation, 95(3), 546-551.
18. Lee, S., Chow, J.W., & **Tillman, M.D.** (2014). ACL Reconstructed Knees Exhibit Increased Frontal and Transverse Plane Knee Joint Moments during Side-Step Cutting Maneuvers with Faster Approaching Velocity. International Journal of Sports Medicine, 35(6), 528-533.
19. Parr, J., Borsa, P., Fillingim, R., **Tillman, M.D.**, Manini, T., Gregory, C., & George, S. (2014). Psychological influences predict recovery following exercise induced shoulder pain. International Journal of Sports Medicine, 35(3), 233-237.
20. Roper, J., Stegemöller, E.L., **Tillman, M.D.**, & Hass, C.J. (2013). Oxygen consumption, oxygen cost, heart rate, and perceived effort during split-belt treadmill walking in young healthy adults. European Journal of Applied Physiology, 113(3), 729-734.
21. Vallabhajosula, S. Buckley, T.A., **Tillman, M.D.**, & Hass, C.J. (2013). Age and Parkinson's disease related kinematic alterations during multi-directional gait initiation. Gait and Posture, 37(2), 280-286.
22. Roper, J.A., Bressel, E., & **Tillman, M.D.** (2013). Acute aquatic treadmill exercise improves gait and pain in people with knee osteoarthritis. Archives of Physical Medicine and Rehabilitation, 94, 419-425.

23. Naugle, K.E., Behar-Horenstein, L.S., Dodd, V.J., **Tillman, M.D.**, & Borsa, P. (2013). Perceptions of wellness and burnout among certified athletic trainers: Gender differences. Journal of Athletic Training, 48(3), 424-430.
24. Salmon, J.R., Roper, J.A., & **Tillman, M.D.** (2012). Does acute whole body vibration training improve the physical performance of people with knee osteoarthritis? Journal of Strength and Conditioning Research, 26(11), 2983-2989.
25. McCoy, S.E., Yarrow, J.F., Conover, C.F., Borsa, P.A., **Tillman, M.D.**, Conrad, B.P., Pingel, J.E., Wronski, T.J. Johnson, S.E., Kristinsson, H., Ye, F., & Borst, S.E. (2012). 17 $\beta$ -hydroxyestra-4,9,11-trien-3-one (Trenbolone) preserves bone mineral density in skeletally mature orchietomized rats without prostate enlargement. Bone, 51(4), 667-673.
26. Barwick, R.B., **Tillman, M.D.**, Stopka, C.B., Dipnarine, K., Delisle, A., & Sayedul Huq, M. (2012). Physical capacity and functional abilities improve in young adults with intellectual disabilities after functional training. Journal of Strength and Conditioning Research, 26(6), 1638-1643.
27. Wikstrom, E.A., **Tillman M.D.**, Chmielewski, T.L., Cauraugh, J.H., Naugle, K.E., & Borsa, P.A. (2012). Discriminating between copers and those with chronic ankle instability. Journal of Athletic Training, 47(2), 136-142.
28. Parr, J.J., Borsa, P.A., Fillingim, R.B., **Tillman, M.D.**, Manini, T.M., Gregory, C.M., & George, S.Z. (2012). Pain related fear and catastrophizing predict pain intensity and disability independently using an induced muscle injury model. The Journal of Pain, 13(4), 370-378.
29. Zukowski, L.A., Falsetti, A.B., & **Tillman, M.D.** (2012). The influence of sex, age, and BMI on the degeneration of the lumbar spine. Journal of Anatomy, 220(1), 57-66.
30. Dalton, E., Bishop, M., **Tillman, M.D.**, & Hass, C.J. (2011). Simple change in initial standing position enhances the initiation of gait. Medicine & Science in Sports & Exercise, 43(12), 2352-2358.
31. Conatser, P., Naugle, K.E., Stopka, C. & **Tillman, M.D.** (2010). AT Programs: Are they teaching enough about athletes with disability? Athletic Therapy Today, 15(5), 34-36.
32. Levy, C.E., Buman, M.P., Chow, J.W., **Tillman, M.D.**, Fournier, K.A., & Giacobbi, P. Jr. (2010). Use of power assist wheels results in increased distance traveled compared with conventional manual wheeling. American Journal of Physical Medicine and Rehabilitation, 89(8), 625-634.
33. Fournier, K.A., Kimbert, C.I, Radonovich, K.J., **Tillman, M.D.**, Chow, J.W., Lewis, M.H. Bodfish, J.W., & Hass, C.J. (2010). Decreased static and dynamic postural control in children with autism spectrum disorders. Gait & Posture, 32(1), 6-9.



34. Giacobbi, P.R. Jr., Levy, C.E, Dietrich, F.D., Winkler, S.H. **Tillman, M.D.**, & Chow, J.W. (2010). Wheelchair users' perceptions of and experiences with power assist wheels. American Journal of Physical Medicine and Rehabilitation, 89(3), 225-234.
35. Wikstrom, E.A., **Tillman M.D.**, Chmielewski, T.L., Cauraugh, J.H., Naugle, K.E., & Borsa, P.A. (2010). Dynamic postural control but not mechanical stability differs among those with and without chronic ankle instability. Scandinavian Journal of Medicine and Science in Sports, 20(1), e137-144.
36. Tamse, T., **Tillman, M.D.**, Johnson, A.W., Abrams, G.L., Issa, I., Stopka, C.B. (2010). Supervised moderate intensity resistance exercise training improves strength in special Olympic athletes. Journal of Strength and Conditioning Research, 24(3), 695-700.
37. Chow, J.W., Park, S., & **Tillman, M.D.** (2009). Lower trunk kinematics and muscle activity during different types of tennis serves. Sports Medicine, Arthroscopy, Rehabilitation, Therapy & Technology, 1(1): 24.
38. Conatser, P., **Tillman, M.D.**, Naugle, K.E., & Stopka, C.B. (2009). Athletic trainers' beliefs toward working with Special Olympics athletes. Journal of Athletic Training, 44(3), 279-285.
39. Wikstrom, E.A., **Tillman, M.D.**, Chmielewski, T.L., Cauraugh, J.H., Naugle, K.E., & Borsa, P.A. (2009). Self-assessed disability and functional performance in patients with and without ankle instability: A case control study. Journal of Orthopaedic and Sports Physical Therapy, 39(6), 458-467.
40. Gullett, J.C., **Tillman, M.D.**, Gutierrez, G.M., & Chow, J.W. (2009). A biomechanical comparison of back and front squats in healthy trained individuals. Journal of Strength and Conditioning Research, 23(1), 284-292.
41. Machek, M.A., Stopka, C.B., **Tillman, M.D.**, Sneed, S.M., & Naugle, K.E. (2008). The effects of a supervised resistance-training program on special olympics athletes. Journal of Sport Rehabilitation, 17(4), 372-379.
42. Wikstrom, E.A., **Tillman, M.D.**, Schenker, S.M., & Borsa, P.A. (2008). Jump-landing direction influences dynamic postural stability scores. Journal of Science and Medicine in Sport, 11(2), 106-111.
43. Wikstrom, E.A., **Tillman, M.D.**, Schenker, S., & Borsa, P.A. (2008). Failed jump landing trials: deficits in neuromuscular control. Scandinavian Journal of Medicine and Science in Sports, 18(1), 55-61.
44. Chow, J.W., Knudson, D.V., **Tillman, M.D.**, & Andrew, D.P.S. (2007). Pre- and post-impact muscle activation in the tennis volley: Effects of ball speed, ball size, and side of the body. British Journal of Sports Medicine, 14(11), 754-759.

45. Wikstrom, E.A., **Tillman, M.D.**, Chmielewski, T.L., Cauraugh, J.H., & Borsa, P.A. (2007). Dynamic postural stability deficits in subjects with self-reported ankle instability. Medicine & Science in Sports & Exercise, 39(3), 297-402.
46. Wikstrom, E.A., **Tillman, M.D.**, Chmielewski, T.L., & Borsa, P.A. (2006). Measurement and evaluation of dynamic joint stability of the knee and ankle after injury. Sports Medicine 36(5), 393-410.
47. Wikstrom, E.A., Arrigenna, M. **Tillman, M.D.**, & Borsa, P.A. (2006). Dynamic postural stability in subjects with braced, functionally unstable ankles. Journal of Athletic Training, 41(3), 245-250.
48. Wikstrom, E.A., **Tillman, M.D.**, Kline, K.J., & Borsa, P.A. (2006) Gender and limb differences in dynamic postural stability during landing. Clinical Journal of Sports Medicine, 16(4), 311-315.
49. Chow, J.W., Park, S., Wight, J.T., & **Tillman, M.D.** (2006). Reliability of a technique for determining sagittal knee geometry from lateral knee radiographs. The Knee, 13, 318-323.
50. **Tillman, M.D.**, Hass, C.J., Chow, J.W., Brunt, D. (2005). Coordinative actions of the lower extremity joints during locomotion and landings. Journal of Applied Biomechanics, 21(4), 359-370.
51. Wikstrom, E.A., **Tillman, M.D.**, Smith, A.N., & Borsa, P.A. (2005). A new force-plate technology measure of dynamic postural stability: The dynamic postural stability index. Journal of Athletic Training, 40, 305-309.
52. **Tillman, M.D.**, Bauer, J.A., Cauraugh, J.H., & Trimble, M.H. (2005). Differences in lower extremity alignment between males and females: Possible predisposing factors for knee injury. Journal of Sports Medicine and Physical Fitness, 45(3), 355-359.
53. Deane, R.S., Chow, J.W., **Tillman, M.D.**, & Fournier, K.A. (2005). Effects of hip flexor training on spring, shuttle run, and vertical jump performance. Journal of Strength and Conditioning Research, 19(3), 615-621.
54. Minnello, S., Dover, G.C., Powers, M., **Tillman, M.D.**, & Wikstrom, E.A. (2004). Does ankle cryotherapy affect dynamic stability of healthy subjects? Journal of Sport Rehabilitation, 14(3), 234-247.
55. Wikstrom, E.A., **Tillman, M.D.**, & Borsa, P.A. (2005). Detection of dynamic stability deficits in subjects with functional ankle instability. Medicine & Science in Sports & Exercise, 37(2), 169-175.
56. Hass, C.J., Schick, E.A., **Tillman, M.D.**, Chow, J.W., Brunt, D., & Cauraugh, J.H. (2005). Maturation influences the biomechanics of drop landings in recreational female athletes. Medicine & Science in Sports & Exercise, 37(1), 100-107.

57. Gutierrez, G.M., Chow, J.W., **Tillman, M.D.**, McCoy, S., Castellano, V., & White, L. (2005). Resistance training improves gait kinematics in persons with multiple sclerosis. Archives of Physical Medicine and Rehabilitation, 86(9), 1824-1829.
58. Todorovich, J.R., Wirth, C.K., Zhang, J.J., **Tillman, M.D.**, & Fleming, D.S. (2004). Systematically measuring student persistence in physical education. Teaching Elementary Physical Education, 15(4), 28-30.
59. **Tillman, M.D.**, Criss, R.M., Brunt, D., & Hass, C.J. (2004). Landing constraints influence ground reaction forces and lower extremity EMG in female volleyball players. Journal of Applied Biomechanics, 20, 38-50.
60. Wikstrom, E.A., Powers, M.E., & **Tillman, M.D.** (2004). The effect of isokinetic and functional fatigue protocols on dynamic stability during jump landings. Journal of Athletic Training, 39(3), 247-253.
61. **Tillman, M.D.**, Hass, C.J., Brunt, D., & Bennett, G.R. (2004). Jumping and landing strategies in women's volleyball. Journal of Sports Science & Medicine, 3, 30-36.
62. Levy, C.E., Chow, J.W., **Tillman, M.D.**, Hanson, C., Donohue, T., & Mann, W. (2004). Variable ratio power assist wheelchair for elders eases wheeling over a variety of terrains. Archives of Physical Medicine and Rehabilitation, 85,104-112.
63. Hass, C.J., Schick, E.A., Chow, J.W., **Tillman, M.D.**, Brunt, D., & Cauraugh, J.H. (2003). Lower Extremity Biomechanics: A Comparison between Prepubescent and Postpubescent Female Athletes During Stride Jumps. Journal of Applied Biomechanics, 19(2), 139-152.
64. Farrell, K.C., Reisinger, K.D., & **Tillman, M.D.** (2003). Force and repetition in cycling: Implications for iliotibial band friction syndrome. The Knee, 10(1), 103-109.
65. **Tillman, M.D.**, Chiumento, A.B., Trimble, M.H., Bauer, J.A., Cauraugh, J.H., Kaminski, T.W. & Hass, C.J. (2003). The effects of medially and laterally posted orthotics on tibiofemoral rotation in landing. Physical Therapy in Sport, 4(1), 35-40.
66. Bishop, M.D., Brunt, D., Kukulka, C., **Tillman, M.D.** & Pathare, N. (2003). Modulation of the braking impulse under the stance limb during unplanned gait termination in human subjects with parkinsonism. Neuroscience Letters, 348, 89-92.
67. Andrew, D.P.S., Chow, J.W., Knudson, D.V., & **Tillman, M.D.** (2003). Effect of ball size on player reaction and racquet acceleration during the tennis volley. Journal of Science & Medicine in Sport, 6(1), 104-114.
68. **Tillman, M.D.**, Fiolkowski, P., Bauer, J.A., & Reisinger, K.D. (2002). Kinetic and temporal changes during running on different surfaces. Sports Engineering, 5(3), 121-128.

69. **Tillman, M.D.**, Smith, K.R., Bauer, J.A., Cauraugh, J.H., Falsetti, A.B., & Pattishall, J.L. (2002). Differences in three intercondylar notch geometry indices between males and females: A cadaver study. The Knee, 9(1), 41-46.
70. **Tillman, M.D.**, Hass, C.J., & Brunt, D. (2002). Volleyball landings may explain ACL gender gap. BioMechanics, 9(3), 87-93.
71. **Tillman, M.D.** & Chow, J.W. (2002). Applications of force-plate technology. Athletic Therapy Today, 7(6), 50-51.
72. **Tillman, M.D.** & Cauraugh, J.H. (2001). Reservations about conclusions from a computed tomography study on patellar taping and patellofemoral incongruence. American Journal of Sports Medicine, 29(6), 829-830.
73. Bauer, J.A. & **Tillman, M.D.** (2001). Tennis elbow: Not just for tennis players! Current Concepts: Official statements by the American College of Sports Medicine, October, 1-2.
74. **Tillman, M.D.**, Fiolkowski, P., Brunt, D., & Bauer, J.A. (2000). Changes in gait due to anterior knee instability. Physical Therapy Case Reports, 3(1), 11-16.
75. Bauer, J.A., Cauraugh, J.H., & **Tillman, M.D.** (2000). An insole pressure measurement system: Repeatability of postural data. Foot and Ankle International, 21(3), 53-58.
76. Bauer, J.A., Cauraugh, J.H., Kellogg, R. & **Tillman, M.D.** (1999). Gait analysis of the post-polio individual: Quantitative information for the patient and clinician. Orthopädie Technik, 6, 485-490.

## PROFESSIONAL PRESENTATIONS

### National:

1. Andrew, D.P.S., Block, B., Liguori, G., Tietjen-Smith, T., **Tillman, M.D.**, & Urtel, M. (2015, January). Mentoring Kinesiology Faculty into the Department Chair Role. Panel Discussion presented at the 2015 National Association for Kinesiology in Higher Education Annual Conference. Clearwater, FL.
2. Benson, A. & **Tillman, M.D.** (2014, January). Addressing Administrative Challenges in Performing Faculty Evaluations. Administrative Roundtable presented at the 2014 National Association for Kinesiology in Higher Education Collaborative Conference and International Congress. San Diego, CA.
3. **Tillman, M.D.**, Hovis, P.W., Zukowski, L.A., Roper, J., Otzel, D.M., Shechtman, O., & Roemmich, R. (2013, June). Does mode of wheelchair propulsion influence interlimb wrist coordination? Poster presented at the 2013 American College of Sports Medicine. Indianapolis, IN.
4. **Tillman, M.D.**, Zukowski, L.A., Hovis, P.W., Otzel, D.M., Roper, J., & Shechtman, O. (2012, June). Kinematics of the shoulder complex during ergonomic hand drive wheelchair propulsion: Shoulder impingement implications. Poster presented at the 2011 American College of Sports Medicine. San Francisco, CA.
5. **Tillman, M.D.**, Zukowski, L.A., Otzel, D.M., Roper, J., Bouwkamp, J., & Shechtman, O. (2011, June). Upper extremity kinematics during ergonomic hand drive wheelchair propulsion. Poster presented at the 2011 American College of Sports Medicine. Denver, CO.
6. **Tillman, M.D.**, Cowen, T., Dabroski, A., Parr, J., Abt, N. Sayedul Huq, M., Ousts, M., & Delisle, T. (2010, May). Validation of a field-based aerobic capacity assessment in firefighters. Poster presented at the 2010 American College of Sports Medicine. Baltimore, MD.
7. Salmon, J.R. & **Tillman, M.D.** (2009, August). Does acute whole body vibration training improve physical performance for people with knee osteoarthritis? Poster presented at the 2009 American Society of Biomechanics Annual Meeting. State College, PA.
8. Mizell, R., Hass, C.J., Siders, R., & **Tillman, M.D.** (2009, August). Anticipatory effects on frontal plane kinematics during cutting movements. Poster presented at the 2009 American Society of Biomechanics Annual Meeting. State College, PA.
9. **Tillman, M.D.**, Vallabhajosula, S., Chow, J.W., Fournier, K.A., Giacobbi, P., Hubbard, S. & Levy, C.E. (2009, May). Changes in upper extremity and trunk angular kinematics during power-assisted wheelchair use. Thematic poster presented at the 2009 American College of Sports Medicine Annual Meeting, Seattle, WA.

10. **Tillman, M.D.**, Chow, J.W., Fournier, K.A., Vallabhajosula, S., Giacobbi, P., Dietrich, F.D., Hubbard, S., & Levy, C.E. (2008, August). Changes in wheeling kinematics after 8 weeks of pushrim-activated power-assisted wheelchair use. Poster presented at the 2008 North American Congress on Biomechanics Meeting. Ann Arbor, MI.
11. **Tillman, M.D.**, Wikstrom, E.A., Chmielewski, T.L., Cauraugh, J.H., & Borsa, P.A. (2008, June). Dynamic postural stability in copers and individuals with chronic ankle instability. Poster presented at the 2008 American College of Sports Medicine Annual Meeting. Indianapolis, IN.
12. **Tillman, M.D.**, Wight, J.T., Grover, G.B., & Chow, J.W. (2007, June). Shoulder external rotation passive flexibility is altered by increased repetitions in tennis players. Poster presented at the 2007 American College of Sports Medicine Annual Meeting. New Orleans, LA.
13. **Tillman, M.D.**, Wight, J.T., Garbrecht, J.D., Reese, C., & Chow, J.W. (2006, September). Gender differences in geometric measures of knee extensor function. Podium presentation at the 2006 American Society of Biomechanics Annual Meeting. Blacksburg, VA.
14. **Tillman, M.D.**, Wight, J.T., Fichter, J.W., & Chow, J.W. (2006, June). Gender, bilateral symmetry, and the knee extensor mechanism. Poster presented at the 2006 American College of Sports Medicine Annual Meeting. Denver, CO.
15. **Tillman, M.D.**, Wikstrom, E.A., Kontos, D., Tarah, D., & Chow, J.W. (2005, June). Functional stability during jumps and jump landings: bilateral symmetry and gender comparisons. Thematic poster presented at the 2005 American College of Sports Medicine Annual Meeting. Nashville, TN.
16. **Tillman, M.D.**, Gullett, J.C., Gutierrez G.M., & Chow, J.W. (2004, September). Knee joint kinetics and lower extremity muscle activation during front and back squats. Poster presented at the 2004 American Society of Biomechanics Annual Meeting. Portland, OR.
17. **Tillman, M.D.**, Chow, J.W., Gutierrez, G.M., & Hass, C.J. (2004, June). Biomechaical comparison of two lower extremity exercise machines used for knee injury rehabilitation. Poster presented at the 2004 American College of Sports Medicine Annual Meeting. Indianapolis, IN.
18. **Tillman, M.D.** (2004, January). Commonly Used Equipment for collecting EMG. Oral presentation given at the 2004 Southeast American College of Sports Medicine Annual Meeting. Atlanta, GA. [Symposia: Recent Developments in Electromyography for Sports Medicine].
19. **Tillman, M.D.**, Chow, J.W., Gutierrez, G.M., & Hass, C.J. (2003, September). A comparison of lower extremity muscle activity during exercise on a cycle ergometer and recumbent stepper. Poster presented at the 2003 American Society of Biomechanics Annual Meeting, Toledo, OH.
20. **Tillman, M.D.**, Chow, J.W., Gutierrez, G.M., & Hass, C.J. (2003, June). The influence of seat position on lower extremity mechanics during recumbent stepping. Poster presented at the 2003 American College of Sports Medicine Annual Meeting. San Francisco, CA.

21. Chow, J.W., **Tillman, M.D.**, & Hass, C.J. (2003, June). Stability analysis of parallel and trap bar squats. Poster presented at the 2003 American College of Sports Medicine Annual Meeting. San Francisco, CA.
22. **Tillman, M.D.**, Chow, J.W., Norris, K.C., Reisinger, K.D., & Hass, C.J. (2002, June). An evaluation of hip strength in transfemoral amputees. Poster presented at the 2002 American College of Sports Medicine Annual Meeting. St. Louis, MO.
23. **Tillman, M.D.**, Hass, C.J., Brunt, D., & Miller, J. (2001, August). Prevalence of jumping and landing techniques in volleyball: An analysis of elite female volleyball players. Poster presented at the 2001 American Society of Biomechanics Annual Meeting. San Diego, CA.
24. **Tillman, M.D.**, Hass, C.J., Bauer, J.A., Trimble, M.H., & Pattishall, J.L. (2001, June). Lower extremity biomechanical alignment does not predict tibial rotation during dynamic activity. Poster presented at the 2001 American College of Sports Medicine Annual Meeting. Baltimore, MD.
25. **Tillman, M.D.**, Smith, K.R., Pattishall, J.L., Bauer, J.A., & Falsetti, A.B. (1999, October). Differences in intercondylar notch geometry between males and females. Poster presented at the 1999 American Society of Biomechanics Annual Meeting, Pittsburg, PA.
26. **Tillman, M.D.**, Fiolkowski, P., Murray, R.D., Bauer, J.A., & Reisinger, K.D. (1998, May). Changes in ground reaction forces during running on different surfaces. Poster presented at the 1998 American College of Sports Medicine Annual Meeting, Orlando, FL.
27. Bauer, J.A., Cauraugh, J.H., & **Tillman, M.D.** (1997, September). A new insole pressure measurement system: Repeatability of postural sway data. Poster presented at the 21<sup>st</sup> Annual Meeting of the American Society of Biomechanics, Clemson, SC.
28. Thomas, T. & **Tillman, M.D.** (1997, September). A kinematic analysis of obstacle clearance strategies in normal gait. Podium presentation at the 21<sup>st</sup> Annual Meeting of the American Society of Biomechanics, Clemson, SC.
29. **Tillman, M.D.** (1997, July). Human movement analysis: Injury assessment and prevention. Lecture presented at the Brazilian Workshop on Exercise Science, Gainesville, FL. [Invited]

#### **International:**

1. **Tillman, M.D.** (2006, March). Biomechanics for Clinical Populations: Power Assist Wheelchair Mechanics. Lecture presented at the Symposium on Exercise and Movement in cooperation with the Technische Universität Darmstadt; Darmstadt, Germany.

2. **Tillman, M.D.** (2005, May). Status and Information of the Department of Applied Physiology and Kinesiology at the University of Florida. Lecture presented at the Cooperative Agreement Symposium between the Universidade Estadual Paulista and the University of Florida, Rio Claro, Brazil.
3. **Tillman, M.D.,** Wikstrom, E.A., & Borsa, P.A. (2004, October). Detection of dynamic stability deficits in subjects with functional ankle instability. Oral presentation given at the 2<sup>nd</sup> International Ankle Symposium; Dover, Delaware.
4. **Tillman, M.D.** (2002, July). Hip torque profiles in above knee amputees. Lecture presented at the Symposium on Exercise and Movement in cooperation with the Technische Universität Darmstadt; La Clusaz, France.
5. **Tillman, M.D.** Fiolkowski, P., Brunt, D., & Bauer, J.A. (1998, August). Changes in gait due to anterior knee instability: A longitudinal case study. Poster presented at the 1998 Meeting of the North American Congress on Biomechanics, Waterloo, Ontario, Canada.
6. **Tillman, M.D.** (1996, July). Exercise and diabetes. Lecture presented at the Symposium on Exercise and Movement in cooperation with Technische Hochschule Darmstadt; La Clusaz, France.



## GRANT ACTIVITY

### Summary of Grant Funding Received

ROLE	TOTAL	Direct Costs	Indirect Costs
Principal Investigator	\$ 85,624	\$ 84,268	\$ 1,356
Co-Principal Investigator	\$ 46,214	\$ 34,586	\$ 13,169
Investigator	\$ 541,819	\$ 454,311	\$ 81,364
TOTALS	\$ 673,657	\$ 461,811	\$ 95,889

1. **Tillman, M.D.-co P.I.**, Hass, C.J., & Bishop, M.D. (2012). 2012 Annual Meeting of the American Society of Biomechanics. Alachua County Tourist Development Grant. (funded, DC=\$5,642).
2. Hass, C.J., **Tillman, M.D.-co-investigator**, Bishop, M.D., & Fregley, B.J. (2012). 36<sup>th</sup> Annual American Society of Biomechanics Meeting. NIH R13: National Institutes of Health Support for Conferences and Scientific Meetings. (funded: DC=\$16,000).
3. Bishop, M.D., Hass, C.J., & Tillman, M.D.-co-investigator. (2012). 36<sup>th</sup> Annual American Society of Biomechanics Meeting. Department of Sponsored Research, University of Florida. (funded: DC=\$3,000).
4. Stegemöller, E.L., Hass, C.J., **Tillman, M.D.-investigator**, & Okun, M. (2011). The Effects of Disease Progression on Rate-Dependent Impairments in Repetitive Finger Movements in Patients with Parkinson's Disease. Clinical and Translational Science Institute. (funded, DC=\$7,500).
5. **Tillman, M.D.-P.I.**, Shechtman, O., & Banks, S. (2009). Wheelchair Ergonomic Hand Drive. Clinical and Translational Science Institute. (funded, DC=\$24,756).
6. **Tillman, M.D.-P.I.**, Chow, J.W., Sheu, J., & Hass, C.J. (2006). Effects of Whole-body Vibration on Spasticity, Gait, Balance, Flexibility, & Quality of Life in Individuals with Cerebral Palsy. HHP Research Opportunity Fund 2006. (funded, DC=\$4,500).
7. Chow, J.W., Fournier, K.A., **Tillman, M.D.-investigator**, & Hass, C.J. (2006). Static and dynamic balance control in children with autism. Organization for Autism Research. (\$2,000 funded, DC=\$2,000).
8. Janelle, C.M. & **Tillman, M.D.-co P.I.** (2006). The Fizogen Strap: An effective means of enhancing anaerobic performance? Fizogen Precision Technologics. (\$37,184 funded, DC=\$25,556, IDC=\$11,628).

9. Chow, J.W. & **Tillman, M.D.-co P.I.** (2005). Impact force attenuation properties of Comfihips™ hip protectors. TransGlobal Orthopedics, LLC. (\$4,929 funded, DC=\$3,388, IDC=\$1,541).
10. **Tillman, M.D.-P.I.**, Chow, J.W. (2005). Sagittal Knee Geometry and Extensor Mechanism of Pre and Postpubescent Individuals. RGP Research Opportunity Incentive Seed Fund. (\$43,050 funded, DC=\$43,050).
11. **Tillman, M.D.-P.I.**, Chow, J.W. (2004). Gender, maturation, bilateral symmetry and the knee extensor mechanism. HHP Research Opportunity Fund 2004. (\$6,275 funded, DC=\$6,275).
12. Levy, C.E., Giacobbi, P.R., Mann, W.C., Chow, J.W., & **Tillman, M.D.-investigator** (2005). The Impact of Power-Assist Wheelchairs on QOL. NIH R21: National Institutes of Health. (\$333,811 funded: DC=\$255,632, IDC=\$78,179).
13. Chow, J.W., Wight, J.T., Grover, G.B., & **Tillman, M.D.-investigator** (2004). Exploring the Relationships Between Shoulder Flexibility and Mechanics of the Tennis Serve. United States Tennis Association. (funded: \$5,980; DC=\$5,200, IDC=\$780).
14. Dover, G.C. Powers, M.E., & **Tillman, M.D.-investigator**. (2003). Comparison of shoulder and elbow joint position sense using a vibration stimulus. National Athletic Trainers Association Research and Education Foundation, (funded: \$2,096, DC=\$2,096).
15. Chmielewski, T., Horodyski, M., Bishop, M.D., **Tillman, M.D.-investigator**, Meister, K. & Soh, C. (2003). Gender Differences in Core Strength. Research Opportunity Fund 2003, (funded: \$100,000; DC=\$100,000).
16. Chow, J.W., Park, S., **Tillman, M.D.-investigator** (September 2001-December 2002). Lumbar spine kinematics and lower trunk muscle activity during different types of tennis serve. United States Tennis Association. (funded: \$8,039; DC=\$6,990, IDC=\$1,049).
17. Chow, J.W., **Tillman, M.D. -investigator**, Vlasak, R. (August 2002-). Knee extensor mechanism in total knee replacement individuals. Research Opportunity Fund 2002. (funded: \$25,000; DC=\$25,000).
18. **Tillman, M.D.-P.I.**, Chow, J.W., & Hass, C.J. (September 2002-August 2003). The influence of joint position on lower extremity joint loads and muscle activity during exercise on a recumbent stepper and cycle ergometer. NuStep Inc. (funded: \$11,543; DC=\$10,187, IDC=\$1,356).
19. Falsetti, A.B., Bauer, J.A., **Tillman, M.D. -investigator**, Smith, K.R., Kaminski, T.W., & Meister, K. (1998). Gender differences and predisposition toward anterior cruciate ligament injury: A biomechanical and anthropological approach. University of Florida Division of Sponsored Research #98050866 (funded: \$26,850; DC=\$26,850).

## PUBLISHED ABSTRACTS

1. Zukowski, L.A., Christou, E.A., Hass, C.J., & **Tillman, M.D.** (2014). An exploratory analysis of the effect of fatigue on wrist variability utilizing different propulsion styles. Proceedings of the 7<sup>th</sup> World Congress of Biomechanics, <http://www.abstractsonline.com/Plan/ViewAbstract.aspx?sKey=4efadcc4-47e3-496b-acaf-21a61c2857d3&cKey=e10102e3-3124-4c61-aab9-46cb9058e25e&mKey=0d04d93f-3cbf-4352-9f47-e1e75f25e684>
2. Hovis, P.W., Brown, M.D., Hass, C.J., & **Tillman, M.D.** (2014). A preliminary evaluation of shoulder mechanics using a novel wheelchair: The influence of pain. Proceedings of the 7<sup>th</sup> World Congress of Biomechanics, <http://www.abstractsonline.com/Plan/ViewAbstract.aspx?sKey=4efadcc4-47e3-496b-acaf-21a61c2857d3&cKey=5951e490-46c1-4ad5-b03e-5ad7526d0297&mKey=%7b0D04D93F-3CBF-4352-9F47-E1E75F25E684%7d>
3. Joshi, G., Stopka, C., Gezan, S., **Tillman, M.** & Pigg, M. (2014). Attitude Differences and Preparedness to Take Care of their Older Relatives Among College Students. NCPEID Annual Conference Program Proceedings, 12.
4. Rozea, G., **Tillman, M.**, Dodd, S., Chmielewski, T., & Vanic, K. (2014). Effect of submaximal concentric and eccentric training on torque steadiness of the ankle plantarflexors. International Journal of Exercise Science, 9(2), 70.
5. Hovis, P.W., Brown, M.D., & **Tillman, M.D.** (2014). Muscle synergies involved in a novel wheelchair: Propulsion technique. Medicine & Science in Sports & Exercise, 45(5S), S910.
6. Joshi, G., Gezan, S., Stopka, C., Pigg, M., & **Tillman, M.D.** (2014). How prepared are College Students as Informal Caregivers to Their Older Relatives? Proceedings of the Society for Public Health Education 65<sup>th</sup> Annual Meeting.
7. Roper, J.A., Roemmich, R.T., Hass, C.J., & **Tillman M.D.** (2013). Individuals with anterior cruciate ligament reconstruction display altered mechanics during split-belt walking. Proceedings of the 36<sup>th</sup> annual meeting of the American Society of Biomechanics (<http://www.asbweb.org/conferences/2013/abstracts/439.pdf>)
8. Hovis, P.W., Zukowski, L.A., Roper, J.A., Otzel, D.M., Shechtman, O., Roemmich, R.T., & **Tillman, M.D.** (2013). Shoulder pain and interlimb coordination during conventional and ergonomic hand drive manual wheeling. Medicine & Science in Sports & Exercise, 45(5S), S300
9. Joshi, G., Gezan, S., Stopka, C., Pigg, M., & **Tillman, M.D.** (2013). College students as informal caregivers and their attitudes towards older adults and relatives. Proceedings of the Third International Conference on Aging and Society.

10. Roper, J.A., Roemmich, R.T., **Tillman, M.D.**, & Hass, C.J. (2012). Frontal plane mechanics are altered during split belt treadmill walking in young healthy adults. Proceedings of the 36<sup>th</sup> annual meeting of the American Society of Biomechanics ([http://www.asbweb.org/conferences/2012/topics/ASBAbstracts\\_final.pdf](http://www.asbweb.org/conferences/2012/topics/ASBAbstracts_final.pdf)).
11. Stegemöller, E., MacKinnon, C., **Tillman, M.D.**, & Hass, C.J. (2012). Differences in repetitive finger movement between the most effected and least effected hand in parkinson's disease. Proceedings of the 36<sup>th</sup> annual meeting of the American Society of Biomechanics ([http://www.asbweb.org/conferences/2012/topics/ASBAbstracts\\_final.pdf](http://www.asbweb.org/conferences/2012/topics/ASBAbstracts_final.pdf)).
12. Wang, J.S., Roemmich, R.T. & **Tillman, M.D.** (2012). Lower limb coordination is altered during asymmetric load carrying while walking on a treadmill. Proceedings of the 36<sup>th</sup> annual meeting of the American Society of Biomechanics ([http://www.asbweb.org/conferences/2012/topics/ASBAbstracts\\_final.pdf](http://www.asbweb.org/conferences/2012/topics/ASBAbstracts_final.pdf)).
13. Wight, J.T., Grover, G.B., Larkin, K.A., Livingston, B.P., & **Tillman, M.D.** (2012). Bilateral analysis of the shoulder internal rotation passive torque-angle relationship for elite pitchers with glenohumeral internal rotation deficit. Proceedings of the 36<sup>th</sup> annual meeting of the American Society of Biomechanics ([http://www.asbweb.org/conferences/2012/topics/ASBAbstracts\\_final.pdf](http://www.asbweb.org/conferences/2012/topics/ASBAbstracts_final.pdf)).
14. Zukowski, L.A., Roper, J.A., Otzel, D., Hovis, P., Shechtman, O., & **Tillman, M.D.** (2012). A reanalysis of wrist jerk during ergonomic hand drive wheelchair propulsion. Proceedings of the 36<sup>th</sup> annual meeting of the American Society of Biomechanics ([http://www.asbweb.org/conferences/2012/topics/ASBAbstracts\\_final.pdf](http://www.asbweb.org/conferences/2012/topics/ASBAbstracts_final.pdf)).
15. Hovis, P., Zukowski, L.A., Roper, J.A., Otzel, D., Shechtman, O., Bishop, M., & **Tillman, M.D.** (2012). Pain during ergonomic hand drive wheelchair propulsion. Proceedings of the 36<sup>th</sup> annual meeting of the American Society of Biomechanics ([http://www.asbweb.org/conferences/2012/topics/ASBAbstracts\\_final.pdf](http://www.asbweb.org/conferences/2012/topics/ASBAbstracts_final.pdf)).
16. Larkin, K.A., Christou, E.A., Baweja, H.S., Moore, M.A., **Tillman, M.D.**, George, S.Z., & Borsa, P.A. (2012). Near-infrared light therapy delays the onset of skeletal muscle fatigue. Proceedings of the 36<sup>th</sup> annual meeting of the American Society of Biomechanics ([http://www.asbweb.org/conferences/2012/topics/ASBAbstracts\\_final.pdf](http://www.asbweb.org/conferences/2012/topics/ASBAbstracts_final.pdf)).
17. Livingston, B.P., Wight, J.T., Wikstrom, E.A., & **Tillman, M.D.** (2012). Reliability and precision of the resistance zone and laxity zone for shoulder internal and external rotation. Proceedings of the 36<sup>th</sup> annual meeting of the American Society of Biomechanics ([http://www.asbweb.org/conferences/2012/topics/ASBAbstracts\\_final.pdf](http://www.asbweb.org/conferences/2012/topics/ASBAbstracts_final.pdf)).
18. Zukowski, L.A., Roper, J.A., Otzel, D.M., Hovis, P.W., Shechtman, O., & **Tillman, M.D.** (2012). Wheelchair propulsion using an ergonomic hand drive mechanism reduces wrist jerk throughout the range of motion. Medicine & Science in Sports & Exercise, 44(2), S371.

19. Hovis, P.W., Zukowski, L.A., Roper, J.A., Otzel, D.M., Murphy, K., Shechtman, O., & **Tillman, M.D.** (2012). Reliability of motion capture shoulder kinematics in wheelchair propulsion utilizing an ergonomic hand drive. Medicine & Science in Sports & Exercise, 44(2), S372.
20. Roper, J.A., Zukowski, L.A., **Tillman, M.D.**, & Hass, C.J. (2012). Metabolic demands of split belt treadmill walking. Medicine & Science in Sports & Exercise, 44(2), S431-432.
21. Delisle, T., Peoples, E.M., Delisle, A.L., Hinojosa, M.S., Stopka, C., **Tillman, M.D.**, & Northcutt, B. (2012). Methods for fostering community-academic partnerships and utilizing intervention mapping in a firefighter population. NCPERID Annual Conference Proceedings, p. 3.
22. Dipnarine, K., Delisle, T., Barwick, R., **Tillman, M.D.**, Stopka, C., Huq, M.S., & Ha, C. Comparison of functional training and weight training programs in improving physical capacity and functional abilities in young adults with intellectual disabilities, NCPERID Annual Conference Proceedings, p. 5.
23. Zukowski, L.A., Roper, J.A., Otzel, D.M., Bouwkamp, J., Shechtman, O., & **Tillman, M.D.** (2011). Metabolic cost of wheelchair propulsion using an ergonomic hand drive mechanism. Medicine & Science in Sports & Exercise, 43(5), S600.
24. Roper, J.A., **Tillman, M.D.**, & Bressel, E. (2011). Aquatic treadmill exercise improves gait mechanics and mobility for individuals with unilateral knee osteoarthritis. Medicine & Science in Sports & Exercise, 43(5), S477.
25. Hass, C.J., Dalton, E., Bishop, M.D., & **Tillman, M.D.** (2010). Manipulating Swing Limb Position Enhances Gait Initiation Performance. Medicine & Science in Sports & Exercise, 42(5), S269.
26. Zukowski, L., **Tillman, M.D.**, & Falsetti, A.B. (2010). The Influence of Sex, Age, And BMI on the Degeneration of the Lumbar Spine. Medicine & Science in Sports & Exercise, 42(5), 705-706.
27. Delisle, T., Dipnarine, K., Beamer, W., Barwick, R. Bronbacher, S., **Tillman, M.D.** & Stopka, C. (2010). A Preliminary Evaluation of a Theory Based Structured Physical Activity Program for Improving Fitness in Populations with an Intellectual Disability. Medicine & Science in Sports & Exercise, 42(5), 713-714.
28. Dabroski, A., Miller, J., Garcia, J. Stopka, C., **Tillman, M.D.**, Dobson, J. & Delisle, T. (2010). Efficacy of a Peer Based Worksite Health Intervention on CVD Risk Factors in Firefighters: A Pilot Study. Medicine & Science in Sports & Exercise, 42(5):747-748.
29. Naugle, K.N., Borsa, P.B., Dodd, V., **Tillman, M.D.**, Behar-Horenstein, L., & Garvan, C. (2009). Perceptions of Wellness and Burnout in Athletic Trainers in the Southeastern Athletic Trainers' Association NATA District (9). Journal of Athletic Training, 44(3): S-63.

30. Wikstrom, E.A., **Tillman, M.D.**, Chmielewski, T.L., Cauraugh, J.H., & Borsa, P.A. (2008). Ankle Joint Stiffness and Fibula Position among Individuals with Ankle Instability, Copers, and Controls. Medicine & Science in Sports & Exercise, 40(5):S441.
31. Wikstrom, E.A., **Tillman, M.D.**, Chmielewski, T.L., Cauraugh, J.H. & Borsa, P.A. (2008). Subjective Disability and Dynamic Postural Stability Scores Predict Ankle Instability Status. Journal of Athletic Training, 43(3): S-104.
32. Naugle, K.E., Wikstrom, E.A., Borsa, P.A., **Tillman, M.D.**, Chmielewski, T.L., & Cauraugh, J.H. (2008). Ankle Instability Status Affects Symptomatic Response but not Functional Performance. Journal of Athletic Training, 43(3): S-104.
33. Stopka, C., Tamse, T., **Tillman, M.D.**, Weimer, A. Abrams, G., & Issa., I. (2008). A Comparison of the Effects of a Supervised Resistance Exercise Training Program on Special Olympic Athletes and Their Coaches. Proceedings of the National Consortium for Physical Education and Recreation for Individuals with Disabilities, 11.
34. Chow, J.W., Park, S., & **Tillman, M.D.** (2007). Spinal mechanics during drop landing: effects of gender and landing technique. Proceedings of the 31st Annual Meeting of the American Society of Biomechanics, CD-ROM.
35. Lee, S, Chow, J.W., **Tillman, M.D.**, Bonhomme, C.A. (2007). Laxity is Not Related to Knee Kinetics during Cutting Maneuvers in Individuals with Unilateral ACL-Reconstructed Knee. Medicine and Science in Sports & Exercise, 39(5):S72-S73.
36. Stopka, C. Machek, M. & **Tillman, M.D.** (2007). Effects of a Supervised Resistance Exercise Training Program on Male and Female Adolescents and Young Adults with Mental Retardation. Proceedings of the National Consortium for Physical Education and Recreation for Individuals with Disabilities, 11.
37. Naugle, K.E., Wikstrom, E.A., **Tillman, M.D.**, Schenker, S.M., & Borsa, P.A. (2006). Jump Protocol Direction Does Not Affect Dynamic Postural Stability or EMG in Healthy Subjects. Journal of Athletic Training, S-101.
38. Dover, G.C., Borsa, P.A., **Tillman, M.D.**, & George, S.Z. (2006). Multiple Daily TENS Treatments For The Shoulder After Exercise-Induced Injury. Journal of Athletic Training, S-85.
39. Norton, C.E., **Tillman, M.D.**, Norton, C.A., & Chow, J.W. (2006). Effect of Loop-Strap Location on Facemask Removal Tool Performance Time. Journal of Athletic Training, S-57.
40. Chow, J.W., **Tillman, M.D.**, Fournier, K.A., Vallabhajosula, S., & Stancil, M. (2006). A Kinematic Comparison of Manual and Pushrim-Activated Power-Assisted Wheelchair Propulsion. Proceedings of the 30th Annual Meeting of the American Society of Biomechanics, CD-ROM.

41. Wight, J.T., Grover, G.B., Chow, J.W., & **Tillman, M.D.** (2006). Shoulder Maximum External Rotation in the Tennis Serve is not Related to Shoulder Passive External Rotation Flexibility. Proceedings of the 30th Annual Meeting of the American Society of Biomechanics, CD-ROM.
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43. Chow, J.W., Wight, J.T., Johnson, R.W., & **Tillman, M.D.** (2006). Loaded Patellar Tendon Lengths in ACL Reconstructed Knees. Proceedings of the 30th Annual Meeting of the American Society of Biomechanics, CD-ROM.
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45. Park, S.A., **Tillman, M.D.**, & Chow, J.W. (2006). Effects of Limited Lower Back Motion on Soft Landing Mechanics. Proceedings of the 30th Annual Meeting of the American Society of Biomechanics, CD-ROM.
46. Fournier, K., Radonovich, K., **Tillman, M.D.**, & Chow, J.W. (2006). Ground Reaction forces During the Stance Phase of Gait of Young Autistic Children. Proceedings of the 30th Annual Meeting of the American Society of Biomechanics, CD-ROM.
47. Chow, J.W., Wight, J.T., Mizell, R.A., & **Tillman, M.D.** (2006). Bilateral Comparison of Knee Extensor Mechanism and Patellar Tendon Length in Youngs Adults with Healthy Knees. Proceedings of the 30th Annual Meeting of the American Society of Biomechanics, CD-ROM.
48. Chow, J.W., Mizell, R.A., Wight, J.T., & **Tillman, M.D.** (2006). Patellar Tendon is Extensible During maximum Effort Knee Extensions. Proceedings of the 30th Annual Meeting of the American Society of Biomechanics, CD-ROM.
49. Chow, J.W., Otzel, D.M., & **Tillman, M.D.** (2006). Bilateral Strength and Activation Characteristics of Quadriceps in Experienced Soccer Players: Implications on Return to Play Criteria. Proceedings of the 30th Annual Meeting of the American Society of Biomechanics, CD-ROM.
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51. Park, S-A., **Tillman, M.D.**, & Chow, J.W. (2006). Effects of Gender and Verbal instruction on Soft landing Biomechanics in Two Different Jumps. Medicine & Science in Sports & Exercise, 38(5), S266.

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53. Wikstrom, E.A., **Tillman, M.D.**, Schenker, S., Kline, K., & Borsa, P.A. (2006). Neuromuscular control differences between Successful and Failed Jump Landing Trials. South Eastern Athletic Trainers' Association Annual Meeting and Clinical Symposium, Conference Proceedings, CD-ROM.
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55. Wikstrom, E.A., **Tillman, M.D.**, Kline, K.J., & Borsa, P.A. (2005). Gender and limb dominance comparisons of dynamic stability during jump landings. Journal of Athletic Training, 40(2), S-58.
56. Chow, J.W., Wight, J.T., **Tillman, M.D.**, Park, S.A., Mizell, R.D., & Woodruff, R.D. (2005). Intra-analyst reliability of a technique for determining sagittal knee geometry from lateral knee radiographs. Medicine & Science in Sports & Exercise, 37(5), S2111.
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59. Otzel, D.M., Chow, J.W., & **Tillman, M.D.** (2005). Bilateral comparison of knee flexion-extension isokinetic strength in soccer players. Medicine & Science in Sports & Exercise, 37(5), S801.
60. Wight, J.T., Grover, G.B., Chow, J.W., & **Tillman, M.D.** (2005). Arm cocking and upper torso rotation patterns associated with elbow varus torque in baseball pitching. Medicine & Science in Sports & Exercise, 37(5), S627.
61. Wikstrom, E., **Tillman, M.D.**, Smith, A.N., & Borsa, P.A. (2005). Reliability and validity of a new measure of dynamic stability: The dynamic stability index. Journal of Orthopaedic and Sports Physical Therapy, 35(5), A-27.
62. Chow, J.W., Otzel, D.M., & **Tillman, M.D.** (2005). An examination of return to play criteria for knee strength in experienced soccer players. International Society of Biomechanics in Sport.



63. Wikstrom E, **Tillman M.D.**, Kline K, Borsa P. (2005). Gender and limb differences in dynamic stability and energy absorption during landing. Proceedings of the South Eastern Athletic Trainers' Association Annual Meeting and Clinical Symposium, CD-ROM.
64. Arrigenna M, Wikstrom E, **Tillman M.D.**, Borsa P. (2005). Prophylactic ankle stabilizers do not alter dynamic stability in the functionally unstable ankle. Ankle Stabilizers Do Not Alter Dynamic Stability in the Functionally Unstable Ankle. Proceedings of the South Eastern Athletic Trainers' Association Annual Meeting and Clinical Symposium, CD-ROM.
65. Wrigley, W.M., Chow, J.W., **Tillman, M.D.**, & Siders, R.A. (2004). Effects of ankle stabilization on push-off mechanics from a three-point stance in football. Proceedings of the International Society of Biomechanics in Sport.
66. Chow, J.W., Park, S-A., **Tillman, M.D.**, & Grover, G.B. (2004). Lower trunk kinematics and muscle activity during different types of tennis serves. Proceedings of the 28th Annual Meeting of the American Society of Biomechanics. [[www.x-cd.com/biomech04/pdfs/331.pdf](http://www.x-cd.com/biomech04/pdfs/331.pdf)]
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69. Buckley, B.D., Kaminski, T.W., & **Tillman, M.D.** (2004). Comparison of muscle activation patterns in boys and girls during a simple landing task. Journal of Athletic Training, 39(2), S-68.
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72. Miniello, S.E., Powers, M.E., Horodyski, M.B., **Tillman, M.D.**, Wikstrom, E.A., & Dover, G.C. (2004). Cryotherapy treatment does not impair dynamic stability in healthy females. Journal of Athletic Training, 39(2), S-33.
73. Valdez, D., Horodyski, M.B., Powers, M.E., **Tillman, M.D.**, & Siders, R. (2004). Bilateral asymmetries in flexibility, stability, power, strength, and muscle endurance associated with preferred and nonpreferred legs. Journal of Athletic Training, 39(2), S-108.

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78. Chow, J.W., Wrigley, W.M., **Tillman, M.D.** (2004). Effects of taping and bracing on push-off mechanics from a three-point stance in football. Proceedings of the SEACSM, 47.
79. Kim, H.D., Brunt, D., Kukulka, C., Marsiske, M., & **Tillman, M.D.** (2003). Effect of attention capacity while stepping over an obstacle in young and healthy elderly adults. Proceedings of the Society for Neuroscience.
80. Chow, J.W., Otzel, D.M., & **Tillman, M.D.** (2003). Bilateral comparisons of knee strength, thigh circumference, and motor unit activation in unilateral ACL-reconstructed individuals. Proceedings of the VIIIth IOC Olympic World Congress on Sport Sciences, 63E.
81. Chow, J.W., Park, S.A., **Tillman, M.D.**, & Fournier, K.A. (2003). Electromyographic analysis of lower trunk muscles during different types of tennis serve. Proceedings of the VIIIth IOC Olympic World Congress on Sport Sciences, 73E.
82. Chow, J.W., **Tillman, M.D.**, Gutierrez, G.M., & Hass, C.J. (2003). An electromyographic comparison of parallel and trap bar squats. Proceedings for the 26<sup>th</sup> Annual Meeting of the American Society of Biomechanics. [E:\biomech03\prof93.html].
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85. Gutierrez, G.M., Chow, J.W., White, L.J., & **Tillman, M.D.** (2003). Postural sway characteristics of multiple sclerosis (MS) individuals of different disability statuses. Medicine & Science in Sports & Exercise, 35(5), S232.

86. Kaminski, T.W., Shills, J.J., & **Tillman, M.D.** (2003). Comparing isokinetic ankle strength ratios following an acute bout of intensive exercise. Medicine & Science in Sports & Exercise, 35(5), S370.
87. R.S. Deane, R.S., Chow, J.W., **Tillman, M.D.**, & Fournier, K.A. (2003). Hip flexor strength training can improve sprint and shuttle run performance. Medicine & Science in Sports & Exercise. 35(5), S402.
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92. Jagger, K., Ensck, C., & **Tillman, M.D.** (2001). The relationships among ground reaction forces, joint angles, and anthropometric measures during front and lateral step-ups. Proceedings for the 25<sup>th</sup> Annual Meeting of the American Society of Biomechanics, 341-342.
93. Ensck, C., Kleiner, D., & **Tillman, M.D.** (2001). The effect of tool familiarity on face mask removal. Journal of Athletic Training, 36(2), S68.
94. Chow, J.W., Chae, W.S., **Tillman, M.D.**, Hass, C.J., & Akly, C.I. (2001). Bilateral comparison of patellar mechanism on unilateral acl-reconstructed individuals. Medicine & Science in Sports & Exercise, 33(5), S282.
95. Hass, C.J., Moore, L.M., **Tillman, M.D.**, Focht, B.C., & Bauer, J.A. (2000). The influence of short-term maximal exercise on the mechanics of running on different surfaces. Medicine & Science in Sports & Exercise, 32(5), S273.
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100. Fiolkowski, P., Bauer, J., **Tillman, M.D.**, & Brunt, D. (1997). A comparison of force plate and insole pressure measurements. Proceedings for the XVIth Congress of the International Society of Biomechanics, Tokyo, Japan.

## SERVICE

### **International:**

Co-director: Kennesaw State University/Troy University/University of Florida/University of West Florida/University of Darmstadt/University of Frankfurt Study Abroad Program (2017): lectured, supervised students, and coordinated activities in Alabama and Georgia.

Co-director: Troy University/University of Florida/University of Darmstadt/University of Frankfurt Study Abroad Program (2016): lectured, supervised students, and coordinated activities in Germany and Austria.

Co-director: Troy University/University of Florida/University of West Florida/University of Darmstadt/University of Frankfurt Study Abroad Program (2015): lectured, supervised students, and coordinated activities in Alabama, Florida, and Georgia.

Co-director: Troy University/University of Florida/University of Darmstadt/University of Frankfurt Study Abroad Program (2014): lectured, supervised students, and coordinated activities in Germany and Austria.

Co-director/host: UF-University of Darmstadt Exchange Program (2013): planned and coordinated activities held in Gainesville and north Florida.

Co-director: UF-University of Darmstadt Study Abroad Program (2012): lectured, supervised students, and coordinated activities in Germany.

Co-director/host: UF-University of Darmstadt Exchange Program (2011): planned and coordinated activities held in Gainesville and north Florida.

Co-director: UF-University of Darmstadt Study Abroad Program (2010): lectured, supervised students, and coordinated activities in Germany and France.

Co-director: UF-University of Darmstadt Study Abroad Program (2009): lectured, supervised students, and coordinated activities in Gainesville and Germany.

Co-director/host: UF-University of Darmstadt Exchange Program (2007): planned and coordinated activities held in Gainesville and north Florida.

Co-director: UF-University of Darmstadt Study Abroad Program (2006): lectured, supervised students, and coordinated activities in Germany.

Co-director/host: UF-University of Darmstadt Exchange Program (2005): planned and coordinated activities held in Gainesville and north Florida.

Co-director: UF-University of Darmstadt Exchange Program (2004): supervised students and coordinated activities in Germany, Switzerland, and France.

Co-director/host: UF-University of Darmstadt Exchange Program (2003): planned and coordinated activities held in Gainesville and north Florida.

Co-director: UF-University of Darmstadt Exchange Program (2002): supervised students and coordinated activities in Germany, Switzerland, and France.

**National:**

Member: By-laws Subcommittee (2016-2018): National Association for Kinesiology in Higher Education

Member: Biomechanics Interest Group Student Awards Committee (2013): American College of Sports Medicine

Member: Biomechanics Interest Group Career/Innovation Awards Committee (2012): American College of Sports Medicine

Co-host: Annual Meeting of the American Society of Biomechanics (2012)

Member: Executive Board (2011-2012): American Society of Biomechanics

Member: Biomechanics Interest Group Awards Committee (2009-2010). American College of Sports Medicine.

ACSM Free Communication Session Chair (2006). Sport Biomechanics II. American College of Sports Medicine Annual Meeting. Denver, CO.

ACSM Free Communication Session Chair (2004). Aging and Biomechanics. American College of Sports Medicine Annual Meeting. Indianapolis, IN.

Advisory Panel Member (2002-2004). Remote Interactive Motion Analysis System. National Science Foundation (NSF DUE-0127338, NSF DUE-0127221).

ACSM Thematic Poster Session Chair (2002). Lower Extremity Kinetics. American College of Sports Medicine Annual Meeting. St. Louis, MO.

**University:**

Member: University Review Committee (2014-2015): Troy University, Troy, AL.

Member: Institutional Effectiveness Committee (2014-2015): Troy University, Troy, AL.

Member: Marketing Committee (2014-2015): Troy University, Troy, AL.

Member: University Review Committee (2013-2014): Troy University, Troy, AL.

Member: Faculty Senate (2012-2013): University of Florida, Gainesville, FL.

Vice-chair: Academic Infrastructure Council (2011-2012): University of Florida, Gainesville, FL.

Member: UF's Quality Enhancement Plan (QEP), Learning without Borders (2013): The Internationalization of the Gator Nation, University of Florida, Gainesville, FL.

Chair: Academic Infrastructure Council (2011-2012): University of Florida, Gainesville, FL.

Member: Senate Steering Committee (2011-2012): University of Florida, Gainesville, FL.

Member: Faculty Senate (2011-2012): University of Florida, Gainesville, FL.

Member: Faculty Senate (2010-2011): University of Florida, Gainesville, FL.

Member: Academic Infrastructure Council (2010-2011): University of Florida, Gainesville, FL.

Member: Faculty Senate (2009-2010): University of Florida, Gainesville, FL.

Graduation Marshall (Fall 2004). University of Florida, Gainesville, FL.

Graduate and Professional Student Forum Judge (Spring 2003). Behavioral Science. University of Florida, Gainesville, FL.

Graduation Marshall (Spring 2003). University of Florida, Gainesville, FL.

Graduate and Professional Student Forum Judge (Spring 2002). Behavioral Science. University of Florida, Gainesville, FL.

Graduate and Professional Student Forum Judge (Spring 2001). Behavioral Science. University of Florida, Gainesville, FL.

**College:**

Chair: Executive Committee (2014-2015): College of Health and Human Services, Troy University, Troy, AL.

Chair: College Review Committee (2014-2015): College of Health and Human Services, Troy University, Troy, AL.

Member: Student Research Competition Committee (2013-2014): College of Health and Human Services, Troy University, Troy, AL.

Member: Executive Committee (2013-2014): College of Health and Human Services, Troy University, Troy, AL.

Member: College Review Committee (2013-2014): College of Health and Human Services, Troy University, Troy, AL.

Member: Faculty Advisory Council (2011-2013): College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: College Council (2012-2013): College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: College Council (2011-2012): College of Health and Human Performance, University of Florida, Gainesville, FL.

Chair: Awards Committee (2010-2011): College of Health and Human Performance, University of Florida, Gainesville, FL.

Chair: International & Diversity Committee (2009-2010): College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: Awards Committee (2009-2010): College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: Faculty Advisory Council (2009-2010): College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: International & Diversity Committee (2008-2009): College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: Awards Committee (2008-2009): College of Health and Human Performance, University of Florida, Gainesville, FL.

Chair: Faculty Advisory Council (2008-2009): College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: College Council (2007-2010): College of Health and Human Performance, University of Florida, Gainesville, FL.

Chair: Faculty Advisory Council (2007-2008): College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: 60<sup>th</sup> Anniversary Committee (2006): College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: Physical Education Committee (2006-2007): College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: Stanley Lecture and Research Symposia Committee (2005-2006). College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: Senior IT Coordinator Search Committee (2005). College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: Curriculum Committee (2004-2005). College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: Distinguished Alumni Committee (2004-2005). College of Health and Human Performance, University of Florida, Gainesville, FL.

Member: Teacher of the Year Committee (2003). College of Health and Human Performance, University of Florida, Gainesville, FL.

**Department:**

Member: TRSM Assistant Professor Search committee (2012): Department of Tourism, Recreation, and Sport Management, University of Florida, Gainesville, FL.

Chair: T&P Subcommittee-Department Lecturer Promotion Guidelines (2012-2013): Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Member: Faculty Evaluation Committee (2012-2013): Department of Applied Physiology & Kinesiology, University of Florida, Gainesville, FL.

Member: Tenure & Promotion Committee (2012-2013): Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.



Member: Faculty Evaluation Committee (2011-2012): Department of Applied Physiology & Kinesiology, University of Florida, Gainesville, FL.

Member: Tenure & Promotion Committee (2011-2012): Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Chair: T&P Subcommittee-Department Lecturer Promotion Guidelines (2011-2012): Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Member: Faculty Evaluation Committee (2010-2011): Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Chair: T&P Subcommittee-Department Lecturer Promotion Guidelines (2010-2011): Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Member: Tenure & Promotion Committee (2010-2011): Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Chair: Tenure & Promotion Subcommittee-Department Lecturer Promotion Guidelines (2009-2010): Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Member: Tenure & Promotion Committee (2009-2010): Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Chair: Lecturer Search Committee (2009). Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Member: Assistant/Associate Professor Search Committee (2008-2009). Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Member: Assistant Professor Search Committee (2008-2009). Department of Tourism, Recreation, and Sport Management, University of Florida, Gainesville, FL.

Member: Graduate Curriculum Committee (2007-2008): Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Chair: T&P Subcommittee on Departmental guidelines for Promotion of Lecturers (2007-2008): Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Member: Graduate Curriculum Committee: (2006-2007): Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Member: Faculty Evaluation Committee (2005-2006). Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Member: Professor/Associate Professor Search Committee (2005-2006). Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Chair: Undergraduate Curriculum Committee (2004-2005). Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Member: Professor/Associate Professor Search Committee (2004-2005). Department of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL.

Member: Merit Evaluation Committee (2004). Department of Exercise & Sport Sciences, University of Florida, Gainesville, FL.

Member: Undergraduate Curriculum Committee (2003-2004). Department of Exercise & Sport Sciences, University of Florida, Gainesville, FL.

Member: Fellowship Committee (2003). Department of Exercise & Sport Sciences, University of Florida, Gainesville, FL.

Member: Exercise Physiology Visiting Assistant Professor Search Committee (2003). Department of Exercise & Sport Sciences, University of Florida, Gainesville, FL.

Member: Grades Appeal Committee (2002-2003). Department of Exercise and Sport Sciences, University of Florida, Gainesville, FL.

Member: Fellowship Committee (2002). Department of Exercise & Sport Sciences, University of Florida, Gainesville, FL.

Member: Grades Appeal Committee (2001-2002). Department of Exercise and Sport Sciences, University of Florida, Gainesville, FL.

Member: Cultural Diversity Committee (2000-2001). Department of Exercise and Sport Sciences, University of Florida, Gainesville, FL.

Member: Biomechanics Associate Professor Search Committee (2000). Department of Exercise & Sport Sciences, University of Florida, Gainesville, FL.

**Program Reviews:**

*Graduate and Undergraduate Program Reviewer (2014): The Department of Kinesiology at Texas A&M-Corpus Christi*

**Grant Reviews:**

*National Institute on Disability and Rehabilitation Research (2012): 1 review*

*Austrian Science Fund (2012): 1 review*

*Canadian Foundation for Innovation (2011): 1 review*

*Austrian Science Fund (2011): 1 review*

*National Science Foundation (2005): 1 review*

**Journal Reviewer for the Following:**

*Journal of Applied Physiology*

*Journal of Sport Sciences*

*Journal of Visualized Experiments*

*Gait & Posture*

*Journal of Athletic Training*

*Journal of Applied Biomechanics*

*Perceptual and Motor Skills*

*Medicine & Science in Sport & Exercise*

*Disability and Rehabilitation: Assistive Technology*

*Journal of Biomechanics*

*Clinical Biomechanics*

*Journal of Sports Science and Medicine*

*Sports Biomechanics*

*British Journal of Sports Medicine*

*Medicine & Science in Sport & Exercise*

*The Open Sports Medicine Journal*

*European Journal of Applied Physiology*

*Research Quarterly for Exercise and Sport*

*Musculoskeletal Disorders*

*Journal of Aging and Physical Activity*

*International Journal of Sports Medicine*

*Sports Medicine*

*BMS Musculoskeletal Disorders*

## GRADUATE COMMITTEE ACTIVITY (\*- graduated)

### Doctoral students (40 total):

<u>Student</u>	<u>College</u>	<u>Major</u>	<u>Role</u>
Haider, Zeerak*	Health & Human Performance	Health Education	Member
Huq, Mona Sayudal*	Health & Human Performance	Health Education	Member
Kang, NJ*	Health & Human Performance	Motor Control	Member
Joshi, Gungeet*	Health & Human Performance	Health Education	Member
Roper, Jaimie*	Health & Human Performance	Biomechanics	Member
Hovis, Patty*	Health & Human Performance	Biomechanics	Chair
Maynard, Matthew*	Engineering	Biomedical Engineering	Member
Amano, Shinichi*	Health & Human Performance	Biomechanics	Co-chair
Roemmich, Ryan*	Health & Human Performance	Biomechanics	Member
Delisle, Tony*	Health & Human Performance	Health Education	Member
Higgins, Torrie*	Health & Human Performance	Motor Control	Member
Larkin, Kelly*	Health & Human Performance	Sports Medicine	Member
Pampush, James D*	Liberal Arts & Sciences	Anthropology	Member
Zambrano, Carlos*	Liberal Arts & Sciences	Anthropology	Member
Naugle, Keith*	Health & Human Performance	Sports Medicine	Member
Vallabhajosula, Srikant*	Health & Human Performance	Biomechanics	Chair
Otzal, Dana*	Health & Human Performance	Biomechanics	Chair
Zukowski, Lisa*	Health & Human Performance	Biomechanics	Chair
Jeff Parr*	Health & Human Performance	Sports Medicine	Member
Sean McCoy*	Health & Human Performance	Exercise Physiology	Member
Derek Mann*	Health & Human Performance	Motor Control	Member
Stewart, Kim*	Health & Human Performance	Biomechanics	Co-chair
Patterson, Tara*	Health Professions	Rehabilitation Science	Member
Lane, John*	Health & Human Performance	Motor Control	Member
Wikstrom, Erik*	Health & Human Performance	Sports Medicine	Co-chair
Model, Eric*	Health & Human Performance	Sport Psychology	Member
Fournier, Kim*	Health & Human Performance	Biomechanics	Member
Wight, Jeff*	Health & Human Performance	Biomechanics	Chair
Combs, Stephen*	Health & Human Performance	Motor Control	Member
Ko, Man-Soo*	Health Professions	Rehabilitation Science	Member
Rozea, Gerard D*	Health & Human Performance	Sports Medicine	Co-chair
Dover, Geoffrey*	Health & Human Performance	Sports Medicine	Member
Buckley, Bernadette*	Health & Human Performance	Sports Medicine	Member
Park, Soo-An*	Health & Human Performance	Biomechanics	Member
Norton, Chris*	Health & Human Performance	Biomechanics	Chair
Bishop, Mark*	Health Professions	Rehabilitation Science	Member
Hass, Christopher*	Health & Human Performance	Biomechanics	Member
Jagger, Kristen*	Health & Human Performance	Biomechanics	Member
Kim, Hyeong-Dong*	Health Professions	Rehabilitation Science	Member

**Master's students (70 total):**

<u>Student</u>	<u>College</u>	<u>Major</u>	<u>Role</u>
Wang, JunSig*	Health & Human Performance	Biomechanics	Chair
Elrod, Jonathan*	Health & Human Performance	Biomechanics	Member
Lee, Kim*	Liberal Arts & Sciences	Anthropology	Member
Avery, Michael*	Health & Human Performance	Human Performance†	Chair
Duvall, Jeremy*	Health & Human Performance	Human Performance†	Chair
Parr, Nicholas*	Health & Human Performance	Human Performance†	Member
Reynolds, Reed*	Health & Human Performance	Human Performance†	Chair
Doidge, Douglas*	Health & Human Performance	Human Performance†	Chair
Barwick, Ryan*	Health & Human Performance	Health Education†	Member
Bouwkamp, Jason*	Health & Human Performance	Human Performance†	Chair
Crow, Josh*	Health & Human Performance	Human Performance†	Chair
Zukowski, Lisa*	Liberal Arts & Sciences	Anthropology	Member
Elan Dalton*	Health & Human Performance	Biomechanics	Member
Shaw, Stefan*	Health & Human Performance	Human Performance†	Chair
Ramon, Ashley*	Health & Human Performance	Human Performance†	Member
Scales, Samantha*	Health & Human Performance	Sport Management†	Member
Stancil, Mike*	Health & Human Performance	Sport Psychology	Member
Smith, Justin*	Health & Human Performance	Human Performance†	Chair
Surrency, Meagan*	Health & Human Performance	Human Performance†	Member
Wakefield, Lesley*	Health & Human Performance	Human Performance†	Chair
Williams, Kelli*	Health & Human Performance	Human Performance†	Member
Wilson, Austin*	Health & Human Performance	Health Education†	Member
Dietrich, Rick*	Health & Human Performance	Sport Psychology	Member
Edwards, William*	Health & Human Performance	Human Performance†	Member
Garcia, Janelle*	Health & Human Performance	Human Performance†	Chair
Hancock, Gabriella*	Health & Human Performance	Motor Control	Member
Joyner, Jessica*	Health & Human Performance	Human Performance†	Member
Jurado, Melissa*	Health & Human Performance	Human Performance†	Chair
Kalajian, Tara*	Health & Human Performance	Human Performance†	Chair
Macheck, Michael*	Health & Human Performance	Human Performance†	Chair
McManus, Lindsay*	Health & Human Performance	Motor Control	Member
Nalls, Thea*	Health & Human Performance	Human Performance†	Member
Parr, Nick*	Health & Human Performance	Human Performance†	Member
Penton, Garrett*	Health & Human Performance	Human Performance†	Chair
Pena, Elizabeth*	Health & Human Performance	Human Performance†	Chair
Minton, Shirley*	Health & Human Performance	Human Performance†	Chair
Jurado, Melissa*	Health & Human Performance	Human Performance†	Chair
Stancil, Michael*	Health & Human Performance	Sport Psychology	Member
McManus, Lindsay*	Health & Human Performance	Motor Control	Member
Langley, Brad*	Health & Human Performance	Sport Psychology	Member
Pantoni, Mark*	Health & Human Performance	Human Performance†	Chair
Heal, Elisabeth*	Health & Human Performance	Human Performance†	Chair

Ewan, Carajay*	Health & Human Performance	Human Performance†	Chair
Lambert, Jennifer*	Health & Human Performance	Human Performance†	Chair
Mizell, Ryan*	Health & Human Performance	Biomechanics	Chair
Hillier, Martin*	Health & Human Performance	Biomechanics	Chair
Woodruff, Ryan*	Health & Human Performance	Human Performance†	Chair
Gutierrez, Greg*	Health & Human Performance	Biomechanics	Chair
Crollick, Jody*	Health & Human Performance	Pedagogy	Member
Otzel, Dana*	Health & Human Performance	Biomechanics	Chair
Wirth, Chris*	Health & Human Performance	Pedagogy	Member
Smink, Kyle*	Health & Human Performance	Athletic Training	Chair
Forde, Francis*	Health & Human Performance	Biomechanics	Co-chair
Miniello, Susan*	Health & Human Performance	Athletic Training	Member
Valdez, Dennis*	Health & Human Performance	Athletic Training	Member
Haskins, Carol*	Health & Human Performance	Athletic Training	Member
Macbeth, Elizabeth*	Health & Human Performance	Biomechanics	Chair
Wikstrom, Erik*	Health & Human Performance	Athletic Training	Member
Pugh, Gary M*	Health & Human Performance	Athletic Training	Member
Mantion, Dean*	Health & Human Performance	Clinical Exercise Physiology†	Member
Criss, Rachel*	Health Professions	Physical Therapy	Co-chair
Pattishall, Lynn*	Health & Human Performance	Human Performance†	Chair
Andrew, Damon*	Health & Human Performance	Biomechanics	Co-chair
Sapre, Ruchika*	Health Professions	Physical Therapy	Member
Wrigley, William*	Health & Human Performance	Biomechanics	Member
Jacobson, Tim*	Health & Human Performance	Biomechanics	Chair
Morley, Kevin*	Health & Human Performance	Athletic Training	Member
Mukunda, Sindhu*	Health Professions	Physical Therapy	Member
Norris, Kenyail*	Engineering	Biomedical Engineering	Member
Schick, Elizabeth*	Health & Human Performance	Biomechanics	Member

\*-graduated, †-non-thesis

## **PROFESSIONAL MEMBERSHIPS**

National Association for Kinesiology in Higher Education

American College of Sports Medicine

Southeast American College of Sports Medicine

American Society of Biomechanics

Order of the Engineer

Distinguished Member of The National Society of Collegiate Scholars