

Matthew B. Pontifex

Curriculum Vitae

Updated August 8, 2020

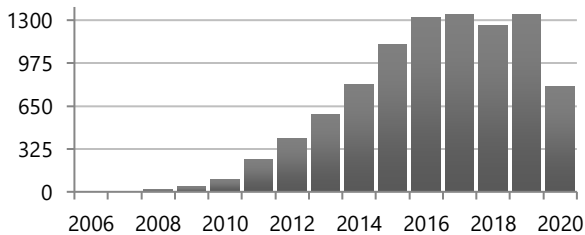
Area of Expertise

Research: My research is in the area of Health Neuroscience, focusing on the relation between health-oriented behaviors and the modulation of neural networks underlying aspects of higher-order cognitive function. A key area of this work is on the application of these health-oriented behaviors as a means for improving cognitive health, academic performance, and overall effective functioning in typically developing populations as well as within individuals suffering from cognitive and attentional disorders.

Teaching: My teaching capitalizes on my broad expertise spanning physiological and psychological domains to strengthen student's foundational knowledge of Kinesiology. A key emphasis is in establishing a relationship between basic theories/principles within the field and the application of those concepts to contemporary issues in society; to allow students to become culturally competent citizens in today's global society.

Scholarly Highlights

Citations Per Year



Publication Metrics

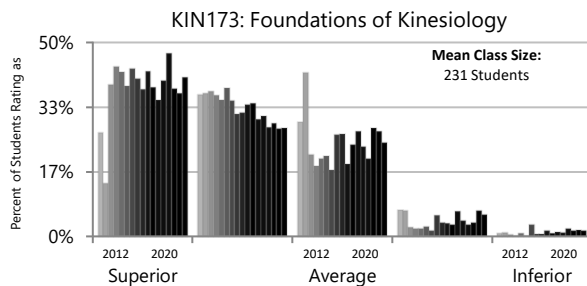
Total Publications:	Total Citations:
82	9,600
First/Senior Author:	Mean Impact Factor:
29	3.39

Recent Invited Lectures & Symposia

- Physical activity and brain health. Golden Horseshoe Pediatric Exercise Science Group. Brock University, Canada.

Teaching Highlights

Overall Teaching Ratings by Semester

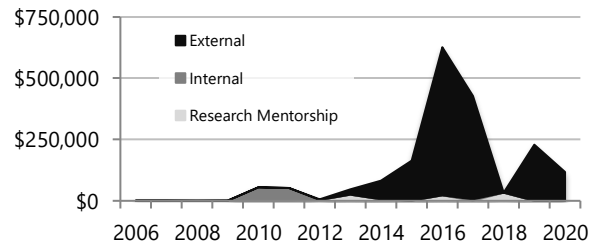


Supervision of Undergraduate Research

Number of Current Students:	Total Students:
9	63

Funding Highlights

Grant Funding Expended Per Year



External Funding

External Grants Funded:	External Funding Awarded:
8	\$1,721,967 TDIC
Awarded as PI/Co-PI:	External Funding Pursued:
8	\$12,247,383 TDIC

Active External Grants

Recently Completed External Grants

- BrainScope (Co-PI)
- Nike (Co-PI)
- NICHD R21 (PI)
- Industry (PI)

Service Highlights

Recent Journals Reviewed for

- Psychophysiology
- International Journal of Psychophysiology

Recent Service

- Chairperson, College of Education Faculty Advisory Committee

Professional Affiliations

- American College of Sports Medicine
- Society for Psychophysiological Research

Work Address

126E IM Sports Circle
 308 W. Circle Drive
 Department of Kinesiology
 College of Education
 Michigan State University
 East Lansing, MI 48824-1049

Phone: (517) 432-5105
Fax: (517) 353-2944
Email: pontifex@msu.edu
Website: <http://education.msu.edu/kin/hbcl/>
<https://github.com/mattpontifex>

Education

- December 2011 **Doctor of Philosophy in Kinesiology**
 University of Illinois at Urbana-Champaign
 Dissertation: *Transient modulations of inhibitory control in children with ADHD: The effect of a single bout of physical activity.*
- May 2006 **Bachelor of Science in Kinesiology**
 University of Illinois at Urbana-Champaign
 Honors thesis: *Neuroelectric and behavioral indices of interference control during acute cycling.*

Professional Experience

- 2018 – Present,
 2012 – 2018 **Associate Professor**, Department of Kinesiology
Assistant Professor
 Member of the Autism and Intellectual/Neurodevelopmental Disabilities Program
 Member of the Cognitive Science Program
 Member of the Neuroscience Program
 Michigan State University, East Lansing, MI
- 2006 – 2011 **Graduate Research Assistant**, Neurocognitive Kinesiology Laboratory
 University of Illinois, Urbana-Champaign, IL
 Lab Director: Charles H. Hillman.

Service

Editorial Boards:

- 2020 – Present **Consulting Editor**, Psychophysiology
 Work directly with the Editor-in-Chief and Associate Editors in reviewing manuscripts for publication that fall within my area of expertise.
- 2019 – 2020 **Guest Editor**, International Journal of Psychophysiology
 Special Issue on Exercise Psychophysiology with Dr. Brandon Alderman, Ph.D.
 Solicited the submission of potential articles for a special issue on Exercise Psychophysiology from a conceptual and geographically diverse representation of research areas. Subsequently served as the action editor for the peer-review process of those articles.

Ad-Hoc Journal Reviewer:

- | Impact Factor Range | Journal Titles |
|----------------------------|---|
| > 5.0 | Cerebral Cortex, NeuroImage, Pediatrics, Proceedings of the National Academy of Sciences of the United States of America, Proceedings of the Royal Society B: Biological Sciences |

- > 3.4 to ≤ 5.0 Developmental Review, *Frontiers in Human Neuroscience*, *Hippocampus*, *Medicine and Science in Sports and Exercise*, *Neuropsychologia*
- > 1.7 to ≤ 3.4 *Brain and Cognition*, *International Journal of Psychophysiology*, *Journal Neuroscience Methods*, *Journal of Sport & Exercise Psychology*, *Neuropsychology*, *Psychology of Sport and Exercise*, *Psychophysiology*
- ≤ 1.7 *Applied Sciences*, *Journal of Sport Sciences*, *Perceptual and Motor Skills*

Ad-Hoc Grant Reviewer:

- 2016 – 2020,
2014 National Institute of Child Health and Human Development (NICHD) Loan Repayment Project (LRP)
- 2018 Belgian Public Research Programme
- 2013 Austrian Science Fund
- 2012 Ireland Health Research Board

Professional Services:

- 2017 – 2018 **Member**, Consensus Panel on Children's Physical Activity and Brain Health
ParticipACTION Report Card on Physical Activity for Children and Youth
Served as an expert on the relationship between physical activity and cognition for a working group establishing recommendations for the 2018 Canadian Physical Activity Report Card.
- 2017 – 2018 **Member**, Program Committee
North American Society for the Psychology of Sport and Physical Activity
- 2015 – 2016 **Member**, Program Committee
Society for Psychophysiological Research

Administrative Services to the University:

- 2016 – 2018,
2013 – 2015 **Vice-Chairperson**, University Committee on Undergraduate Education
- 2012 – 2018 **College of Education Representative**
Michigan State University
Served four years of my six years on the University Committee on Undergraduate Education as the Vice-Chairperson. This committee exercises the faculty's delegated authority on grading and grade-related admissions policies for undergraduate students and serves in a consultative capacity to the Provost to ensure that changes in undergraduate programs appropriately follow university policy. As such all program level changes at the undergraduate level are reviewed by this committee.
- 2015 – 2016 **Chairperson**, Subcommittee for the Formation of the Search Committee for the Associate Provost for Undergraduate Education and Dean of Undergraduate Studies,
University Committee on Undergraduate Education,
Michigan State University
As a representative of the University Committee on Undergraduate Education, I served as the Chairperson of the Subcommittee for the Formation of the Search Committee for the Associate Provost for Undergraduate Education and Dean of Undergraduate Studies. In this capacity, I facilitated the writing of the job requirements for the position and the identification of the constituents that would need to be represented on the search committee for the position.

- 2014 – 2015
2012 – 2014
- Co-Chairperson**, Grief Absence Policy University Taskforce,
Member, Subcommittee for the Grief Absence Policy,
University Committee on Undergraduate Education,
Michigan State University
- As a representative of the University Committee on Undergraduate Education, I served as the Co-Chairperson for the Grief Absence Policy University Taskforce which assessed the need and feasibility of implementing university level policies providing students with protected bereavement time. In this capacity, I co-authored the Grief Absence Policy and successfully navigated the policy through academic governance which provided a streamlined centralized reporting and tracking policy for graduate and undergraduate students to obtain bereavement time.

Administrative Services to the College:

- 2018 – 2020
- Chairperson**, Faculty Advisory Committee
College of Education
Michigan State University
- As a representative of the Department of Kinesiology, I served as the Chairperson of the College of Education Faculty Advisory Committee for two years. This committee serves in an advisory capacity to the Dean of the College of Education. Within this committee, I co-wrote revisions to the college bylaws providing for the formation of a Faculty Equity and Inclusion committee which has shared responsibility with the Dean in determining procedures for assessing and improving persistent and systemic conditions concerning college climate regarding faculty equity and diversity. I also co-wrote the college bylaw granting voice and vote to fixed-term faculty and academic specialists within the college. I further stewarded both bylaw proposals through academic governance and two faculty votes where they were formally adopted as policy. In my position as chair of the Faculty Advisory Committee I also took a proactive approach to addressing faculty issues within the college regarding salary and grant-related policies.
- 2019 – 2020
- Chairperson**, Research Integrity Investigative Committee
College of Education
Michigan State University
- As a representative of the College of Education, I served as the Chairperson for a Research Integrity Investigative Committee which investigated and made a determination on an allegation of Misconduct.
- 2014 – 2016
2014 – 2015
- Department of Kinesiology Representative**, College Curriculum Committee
Chairperson
College of Education
Michigan State University
- As a representative of the Department of Kinesiology, I served as the Chairperson for the College of Education Curriculum Committee for one of my two years on the committee. The College Curriculum Committee exercises the faculty's delegated authority on curricular changes to academic programs within the College and is responsible for reviewing any proposed changes to academic programs in the College.
- 2013
- Member**, Undergraduate Scholarship Review Committee
College of Education
Michigan State University
- 2012, 2014
- Reviewer**, Summer Renewable Research Fellowship
College of Education
Michigan State University
- 2005 – 2006
- President**, Applied Health Sciences Student Council
College of Applied Health Sciences
University of Illinois at Urbana-Champaign

2004 – 2005 **Kinesiology Representative**, Applied Health Sciences Student Council
 College of Applied Health Sciences
 University of Illinois at Urbana-Champaign

Administrative Services to the Department:

2017 – 2018 **Chairperson**, Tenure-line Faculty Search Committee

2014 – 2015 **Member**,

2013 – 2014 Department of Kinesiology

2012 – 2013 Michigan State University

I have served on four search committees, including serving as the Chairperson for one committee, seeking to fill tenure-line positions at the assistant-associate professor level. These faculty searches each targeted different cognate areas of the department (athletic training, exercise physiology, and cognitive motor neuroscience) and all were successful in securing new departmental hires.

2017 – 2019 **Member**, Graduate Studies Committee

Department of Kinesiology

Michigan State University

2015 – 2017 **Member**, Personnel Committee

Department of Kinesiology

Michigan State University

2012, 2016 **Member**, Ad Hoc Website Planning Committee

Department of Kinesiology

Michigan State University

2012 – 2014 **Member**, Curriculum and Undergraduate Studies Committee

Department of Kinesiology

Michigan State University

Funding

External Grants:

Total External Funding Pursued: \$12,247,383 TDIC (allocated to MSU); Total External Funding Awarded: \$1,721,967 TDIC

1. US Special Operations Command, **Principal Investigator**: “Neurocognitive assessment of the readiness of elite operators,” (letter of intent submitted, July 2020).
2. USAID Feed the Future Innovation Lab for Fish, **Co-Investigator** (J. Fenton, Principal Investigator): “Enhancing nutritional outcomes for children through the promotion of the aquaculture value chain,” \$~450,000 TDIC (not funded, July 2019).
 Formulated Concept Aims Research Plan Budget Supporting Documents
3. American Pecan Council, **Co-Investigator** (J. Fenton, Principal Investigator): “Effects of pecan consumption on vascular function, cardiometabolic biomarkers and cognition in adults with stage I hypertension,” \$450,000 TDIC (not funded, June 2019).
 Formulated Concept Aims Research Plan Budget Supporting Documents
4. Industry, **Principal Investigator**: “Neural activity and emotion processing,” \$431,140 TDIC (funded, December 2018 to August 2020). Co-investigator: J. Carlson.
 Formulated Concept Aims Research Plan Budget Supporting Documents
5. NIH, National Institute of Mental Health (R-01), **Co-Investigator** (J. Brascamp, Principal Investigator): “Percept choice: Decision making in the visual system,” \$1,839,070 TDIC (not funded, October 2018).
 Formulated Concept Aims Research Plan Budget Supporting Documents

6. NSF, National Science Foundation (CAREER), **Co-Investigator** (J. Brascamp, Principal Investigator): “Percept choice: Decision making in the visual system,” \$607,558 TDIC (not funded, July 2018).
 Formulated Concept Aims Research Plan Budget Supporting Documents
7. NIH, National Institute of Child Health and Human Development (R-01), **Principal Investigator**: “Physical-activity Induced Changes in activity in the Locus-coeruleus (PICL),” \$1,716,311 TDIC (scored 31st percentile, not funded, August 2017). Co-investigators: J. Brascamp, D. Ferguson.
 Formulated Concept Aims Research Plan Budget Supporting Documents
8. NIH, National Center for Complementary and Integrative Health (R-34), **Co-Investigator** (K. Pfeiffer and G. Bullock, Co-Principal Investigators): “Assessing feasibility of a mindfulness intervention for high-risk preschoolers,” \$694,987 TDIC (not funded, February 2017).
 Formulated Concept Aims Research Plan Budget Supporting Documents
9. NIH, National Institute of Child Health and Human Development (R-01), **Principal Investigator**: “Physical-activity Induced Changes in activity in the Locus-coeruleus (PICL),” \$1,291,588 TDIC (not funded, February 2017). Co-investigator: J. Brascamp.
 Formulated Concept Aims Research Plan Budget Supporting Documents
10. BrainScope Co Inc., **Co-Principal Investigator** (T. Covassin, Co-Principal Investigator [Lead]): “Validation of brain function assessment algorithm for mTBI from injury to rehabilitation in college athletes,” \$158,978 TDIC (funded, January 2017 to December 2017).
 Budget Supporting Documents
11. NIH, National Institute of Mental Health (R-01), **Co-Investigator** (A. Smith, Principal Investigator): “A multi-level intervention for aerobic activity and ADHD-risk in 1st-3rd graders.” \$3,823,240 TDIC; MSU component: \$1,796,105 TDIC (not funded, November, 2016).
 Formulated Concept Aims Research Plan Budget Supporting Documents
12. LuMind Research, **Principal Investigator**: “Physical activity as a tool to reduce Down syndrome related cognitive impairments,” \$198,000 TDIC (not funded, June 2016). Co-investigators: J. Hauck, K. Gwizdala.
 Formulated Concept Aims Research Plan Budget Supporting Documents
13. BrainScope Co Inc., **Co-Principal Investigator** (T. Covassin, Co-Principal Investigator [Lead]): “Objective brain function assessment of mTBI from initial injury to rehabilitation and treatment optimization in collegiate athletes,” \$285,440 TDIC (funded, March 2016).
 Budget Supporting Documents
14. BrainScope Co Inc., **Co-Principal Investigator** (T. Covassin, Co-Principal Investigator [Lead]): “Objective brain function assessment of mTBI from initial injury to rehabilitation and treatment optimization in high school athletes,” \$370,259 TDIC (funded, January 2016 to May 2017).
 Budget Supporting Documents
15. SFARI, Simons Foundation Autism Research Initiative, **Principal Investigator**: “Physical-activity as a tool in the treatment of ASD related psychopathology,” \$650,000 TDIC (letter of intent not selected for further consideration, October 2015). Co-investigator: B. Ingersoll, J. Hauck.
 Formulated Concept Aims Research Plan Budget Supporting Documents
16. NIH, National Institute of Health, **Co-Investigator** (A. Maerlander and D. Molfese, Co-Principal Investigators; T. Covassin, Subcontract Principal Investigator), “Biomarkers and recovery from sports-related concussions: A multi-modal, multi-site study.” 1R01HD082400-01, \$5,399,684 TDIC; MSU component: \$449,110 TDIC (not funded, July, 2015).
 Formulated Concept Aims Research Plan Budget Supporting Documents
17. IES, Institute of Education Sciences, **Co-Investigator** (B. Hoza, Principal Investigator): “Does a before school physical activity program enhance student outcomes?” \$1,239,683 TDIC (not funded, August 2014).
 Formulated Concept Aims Research Plan Budget Supporting Documents
18. NIH, National Institute of Child Health and Human Development (R-21), **Principal Investigator**: “Physical-activity induced transient changes in hemodynamics (PITCH),” 1R21HD078566-01, \$419,926 TDIC (funded, April 2014). Co-investigators: M. Voss, J. Fine, D. Zhu.
 Formulated Concept Aims Research Plan Budget Supporting Documents
19. NIKE, Inc., **Subcontract Principal Investigator** (C. Hillman, Principal Investigator): “The transient effects of single bouts of exercise on cognitive and brain health, and scholastic achievement in preadolescent children,” \$175,170 TDIC; MSU component \$68,641 TDIC (funded, August 2013).
 Formulated Concept Aims Research Plan Budget Supporting Documents

20. NFL – GE Brain Challenge, **Co-Principal Investigator** (T. Covassin, Co-Principal Investigator [Lead]): “Feasibility of virtual reality and neurocognitive tests in acutely identifying concussions and assist with return-to-play decisions in High-School athletes.” (not funded, July 2013).
[X] Formulated Concept [X] Aims [X] Research Plan [X] Budget [X] Supporting Documents
21. Michigan State University Federal Credit Union, MSUFCU Dean’s Choice Grant, **Co-Writer** with G. Harnick: “MSUFCU’s Investment in Education and Physical Health Competition,” \$2,500 (funded, Fall 2012).
22. NIH, National Institute of Mental Health (R-21), **Co-Investigator** (J. Moser, Principal Investigator): “Cognitive control in worry: Neural markers and the role of working memory,” \$405,806 TDIC (not funded, February 2012).
[X] Formulated Concept [X] Aims [X] Research Plan [X] Budget [X] Supporting Documents
23. NIH, Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows (F-31), **Principal Investigator**: “Acute exercise and cognitive control in children with ADHD,” \$147,073 TDIC (not funded, December 2009).
[X] Formulated Concept [X] Aims [X] Research Plan [X] Budget [X] Supporting Documents
24. GSSI, Gatorade Sport Science Institute Student Research Grant, **Principal Investigator**: “The effect of acute exercise on neurocognition in ADHD children”, \$3,500 (not funded, July 2008).
[X] Formulated Concept [X] Aims [X] Research Plan [X] Budget [X] Supporting Documents
25. SPR, Society for Psychophysiological Research Student Travel Grant, \$500 (funded, Fall 2008).
26. NSF, National Science Foundation Graduate Research Fellowship Award, **Principal Investigator**: “Acute aerobic exercise, neurocognition, and academic achievement in preadolescent children”, \$121,500 TDIC (not funded, November 2007).
[X] Formulated Concept [X] Aims [X] Research Plan [X] Budget [X] Supporting Documents

Internal Grants (submitted and funded):

Total Internal Funding Awarded: \$116,081

1. Michigan State University, College of Education IRTL Seed Grant Program, “Physical activity to reduce Down Syndrome related cognitive impairments”, \$7,000 (funded, Spring 2017). Co-investigators: J. Hauck, K. Gwizdala.
2. University of Illinois at Urbana-Champaign, Graduate College Conference Travel Grant, “ERPs to Academics”, \$475 (funded, Fall 2010).
3. University of Illinois at Urbana-Champaign, Predoctoral Training Fellowship through the NICHD Developmental Psychobiology and Neurobiology Training Grant at the University of Illinois (2 T32 HD007333), \$107,356 (funded, January 15th, 2010).
4. University of Illinois at Urbana-Champaign, Graduate College Conference Travel Grant, “Fitness and the modulation of cognitive control in preadolescent children”, \$500 (funded, Fall 2009).
5. University of Illinois at Urbana-Champaign, Graduate College Conference Travel Grant, “The Relationship of age and fitness to attentional orienting and task difficulty”, \$500 (funded, Fall 2007).
6. University of Illinois at Urbana-Champaign, College of Applied Life Studies Career Development and Leadership Awards Conference Travel Grant, “Neuroelectric and behavioral indices of interference control during acute cycling”, \$250 (funded, Spring 2006).

Grants in Support of Research Mentorship (submitted and funded):

Total Research Mentorship Funding Awarded: \$102,260

1. Michigan State University, College of Education Dissertation Completion Fellowship, Mentor (A. McGowan, Trainee), \$7,000 (funded, 2020).
2. Michigan State University, College of Education Summer Research Renewable Fellowship, Mentor (M. Chandler, Trainee), \$12,000 (funded, 2018 to 2020).
3. Michigan State University, College of Education Summer Research Renewable Fellowship, Mentor (A. McGowan, Trainee), \$12,000 (funded, 2017 to 2019).

4. Michigan State University, University Dissertation Completion Fellowship, Mentor (K. Gwizdala, Trainee), \$7,000 (funded, 2018).
5. Michigan State University, College of Education Summer Research Development Fellowship, Mentor (M. Chandler, Trainee), \$5,000 (funded, 2018).
6. Michigan State University, Department of Kinesiology Research Development Fellowship, A. McGowan, \$4,000 (funded, 2018).
7. Michigan State University, College of Education Summer Research Renewable Fellowship, Mentor (K. Gwizdala, Trainee), \$12,000 (funded, 2016 to 2017). Co-Mentor: J. Hauck.
8. Michigan State University, College of Education Dissertation Completion Fellowship, Mentor (A. C. Parks, Trainee), \$7,000 (funded, December 2016).
9. Michigan State University, College of Education Summer Research Development Fellowship, Mentor (K. Gwizdala, Trainee), \$2,500 (funded, February 2016).
10. Michigan State University, College of Education Undergraduate Research Support, "Physical Activity Induced Transient Changes in Hemodynamic Function", \$1,250 (funded, Fall 2015).
11. Michigan State University, Department of Kinesiology Research Development Fellowship, D. A. Henning, \$4,000 (funded, December 2014).
12. Michigan State University, Neuroscience Program Research Experience for Neuroscience Undergraduate Majors, \$2,400 (funded, May 2014).
13. Michigan State University, College of Education Summer Research Renewable Fellowship, Mentor (A. C. Parks, Trainee), \$12,000 (funded, December 2013).
14. Michigan State University, Department of Kinesiology Research Development Fellowship, A. C. Parks, \$3,340 (funded, December 2013).
15. Michigan State University, College of Education Undergraduate Research Support, "The Effects of Different Aspects of Physical Activity on Children with ADHD", \$3,500 (funded, Fall 2013).
16. Michigan State University, College of Education Summer Research Development Fellowship, Mentor (A. C. Parks, Trainee), \$5,000 (funded, March 2013).
17. Michigan State University, College of Education Undergraduate Research Support, "Greater Integrity of Learning, Information Consolidation, and Retrieval as a Function of Aerobic Fitness", \$2,270 (funded, Fall 2012).

Scholarship

Registered with:

NCBI
ncbi.nlm.nih.gov

Google Scholar
scholar.google.com

Publons
publons.com

ORCID
orcid.org

* Denotes author was a student or trainee working with M. B. Pontifex.

Peer-Reviewed Journal Articles (in print or accepted):

Note: Journal rankings within each journal category, current impact factor and citation count obtained from Journal Citation Reports and Google Scholar.

In Press

1. Hsieh, S-S., Chueh, T-Y., Kao, S-C., Westfall, D. R., Morris, T. P., Raine, L. B., Hopman, R. J., **Pontifex, M. B.**, Castelli, D. M., Kramer, A. F., & Hillman, C. H. (in press). Greater childhood cardiorespiratory fitness is associated with better top-down cognitive control: a midfrontal theta oscillation study. *Psychophysiology*.

[.] Research Design [.] Statistical Analysis [.] Drafted Manuscript [X] Revised Manuscript [X] Data Collection

2. *Chandler, M. C., *McGowan, A. L., Burles, F., Mathewson, K. E., Scavuzzo, C. J., & **Pontifex, M. B.** (in press). Aerobic fitness is unrelated to the acquisition of relational memory in college-aged adults. *Journal of Sport & Exercise Psychology*.
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: Impact Factor:

2020

3. *Chandler, M. C., *McGowan, A. L., Ferguson, D. P., & **Pontifex, M. B.** (2020). Carbohydrate mouth rinse has no effects on behavioral or neuroelectric indices of cognition. *International Journal of Psychophysiology*, 151, 49-58. doi: 10.1016/j.ijpsycho.2020.02.012
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 182 of 267, 3rd Quartile (Neurosciences); 41 of 81, 3rd Quartile (Physiology); 33 of 77, 2nd Quartile (Psychology) [2018] Impact Factor: 2.407
4. Covassin, T., *McGowan, A. L., Bretzin, A. C., Anderson, M. N., Petit, K. M., Savage, J. L., Stephenson-Brown, K., Elbin, R. J., & **Pontifex, M. B.** (2020). Preliminary investigation of enhance brain function index among high school and collegiate concussed male and female athletes. *The Physician and Sportsmedicine*. doi: 10.1080/00913847.2020.1745717
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: Impact Factor:
5. Kao, S.-C., Cadenas-Sanchez, C., Shigeta, T. T., McClure, A. D., Chang, Y.-K., **Pontifex, M. B.**, & Hillman, C. H. (2020). A systematic review of physical activity and cardiorespiratory fitness on P3b. *Psychophysiology*, 57, 1-40. doi: 10.1111/psyp.13425 (PMID: 31228362)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 108 of 267, 2nd Quartile (Neurosciences); 21 of 81, 2nd Quartile (Physiology); 17 of 77, 1st Quartile (Psychology) [2018] Impact Factor: 3.378
6. *McGowan, A. L., Ferguson, D. P., Gerde, H. K., Pfeiffer, K. A., & **Pontifex, M. B.** (2020). Preschoolers exhibit similar learning but greater on-task behavior following physically active lessons on the approximate number system. *Scandinavian Journal of Medicine and Science in Sports*. doi: 10.1111/sms.13727
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: Impact Factor:
7. Mora-Gonzalez, J., Esteban-Cornejo, I., Solis-Urra, P., Migueles, J. H., Cadenas-Sanchez, C., Molina-Garcia, P., Rodriguez-Ayllon, M., Hillman, C. H., Catena, A., **Pontifex, M. B.**, & Ortega F. B. (2020). Fitness, physical activity, sedentary time, inhibitory control and neuroelectric activity in children with overweight/obesity: The ActiveBrains project. *Psychophysiology*, 57, 1-18. doi: 10.1111/psyp.13579
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 108 of 267, 2nd Quartile (Neurosciences); 21 of 81, 2nd Quartile (Physiology); 17 of 77, 1st Quartile (Psychology) [2018] Impact Factor: 3.378

2019

8. *Chandler, M. C., *McGowan, A. L., Payne, B. R., Wray, A. H., & **Pontifex, M. B.** (2019). Aerobic fitness relates to differential attentional but not language-related cognitive processes. *Brain and Language*, 198 (104681), 1-9. doi: 10.1016/j.bandl.2019.104681
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 8 of 184, 1st Quartile (Linguistics); 24 of 88, 2nd Quartile (Psychology, Experimental) [2018] Impact Factor: 2.700
9. Gunnell, K. E., Poitras, V. J., LeBlanc, A. G., Schibli, K., Barbeau, K., Hedayati, N., **Pontifex, M. B.**, Goldfield, G. S., Dunlap, C., Lehan, E., & Tremblay, M. S. (2019). Physical activity and brain structure, brain function, and cognition in children and youth: A systematic review of randomized controlled trials. *Mental Health and Physical Activity*, 16, 105-127. doi: 10.1016/j.mhpa.2018.11.002
 Drafted Manuscript Revised Manuscript
 Journal Metrics: 82 of 142, 3rd Quartile (Psychiatry) [2018] Impact Factor: 1.797
10. *McGowan, A. L., Bretzin, A. B., Savage, J. L., Petit, Kyle M., Covassin, T., & **Pontifex, M. B.** (2019). Acute and protracted disruptions to inhibitory control following sports-related concussion. *Neuropsychologia*, 131, 223-232. doi: 10.1016/j.neuropsychologia.2019.05.026
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 21 of 88, 1st Quartile (Psychology, Experimental) [2018] Impact Factor: 2.872

11. *McGowan, A. L., *Chandler, C.C., Brascamp, J. W., & **Pontifex, M. B.** (2019). Pupillometric indices of locus-coeruleus activation are not modulated following single bouts of exercise. *International Journal of Psychophysiology*, *140*, 41-52. doi: 10.1016/j.ijpsycho.2019.04.004
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 182 of 267, 3rd Quartile (Neurosciences); 41 of 81, 3rd Quartile (Physiology); 33 of 77, 2nd Quartile (Psychology) [2018] Impact Factor: 2.407
12. Mora-Gonzalez, J., Esteban-Cornejo, I., Cadenas-Sanchez, C., Migueles, J. H., Molina-Garcia, P., Rodriguez-Ayllon, M., Henriksson, P., **Pontifex, M. B.**, Catena, A., Ortega, F. B. (2019). Physical fitness, physical activity, and the executive function in overweight and obese children: A cross-sectional study from The ActiveBrains project. *Journal of Pediatrics*, *208*, 50-56. doi: 10.1016/j.jpeds.2018.12.028
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 9 of 125, 1st Quartile (Pediatrics) [2018] Impact Factor: 3.739
13. Mora-Gonzalez, J., Esteban-Cornejo, I., Cadenas-Sanchez, C., Migueles, J. H., Rodriguez-Ayllon, M., Molina-Garcia, P., Hillman, C. H., Catena, A., **Pontifex, M. B.**, & Ortega F. B. (2019). Fitness, physical activity, working memory and neuroelectric activity in children with overweight/obesity. *Scandinavian Journal of Medicine and Science in Sports*, *29*, 1352-1363.
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 11 of 83, 1st Quartile (Sport Sciences) [2018] Impact Factor: 3.631
14. **Pontifex, M. B.**, *McGowan, A. L., *Chandler, M., C., *Gwizdala, K. L., *Parks, A. C., Fenn, K., & Kamijo, K. (2019). A primer on investigating the after effects of acute bouts of physical activity on cognition. *Psychology of Sport & Exercise*, *40*, 1-22. doi: 10.1016/j.psychsport.2018.08.015
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 Journal Metrics: 15 of 52, 2nd Quartile (Hospitality, Leisure, Sport, & Tourism); 22 of 82, 2nd Quartile (Psychology, Applied) [2018] Impact Factor: 2.710
15. Themanson, J. R., Bing, N. J., Sheese, B. E., & **Pontifex, M. B.** (2019). The influence of pitch-by-pitch feedback on neural activity and pitch perception in baseball. *Journal of Sport & Exercise Psychology*, *41*, 65-72. doi: 10.1123/jsep.2018-0165
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 20 of 52, 2nd Quartile (Hospitality, Leisure, Sport, & Tourism); 29 of 82, 2nd Quartile (Psychology, Applied) [2018] Impact Factor: 2.434
16. Vasold, K., *Parks, A. C., Phelan, D. M. L., **Pontifex, M. B.**, & Pivarnik, J. (2019). Reliability and validity of commercially available low-cost bioelectric impedance analysis. *International Journal of Sport Nutrition & Exercise Metabolism*, *29*, 406-410. doi: 10.1123/ijnsnem.2018-0283
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 56 of 87, 3rd Quartile (Nutrition & Dietetics); 31 of 83, 2nd Quartile (Sport Sciences) [2018] Impact Factor: 2.217
- 2018
17. Adjepong, M., Yakah, W., Harris, W. S., Annan, R. A., **Pontifex, M. B.**, & Fenton, J. I. (2018). Whole blood n-3 fatty acids are associated with executive function in 2 to 6-year-old Northern Ghanaian children. *Journal of Nutritional Biochemistry*, *57*, 287-293. doi: 10.1016/j.jnutbio.2018.03.019
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 13 of 87, 1st Quartile (Nutrition & Dietetics); 64 of 299, 1st Quartile (Biochemistry & Molecular Biology) [2018] Impact Factor: 4.490
18. Drollette, E. S., **Pontifex, M. B.**, Raine, L. R., Scudder, M. R., Moore, R. D., Kao, S. C., Westfall, D. R., Wu, C. T., Kamijo, K., Castelli, D. M., Khan, N. A., Kramer, A. F., & Hillman, C. H. (2018). Effects of the FITKids physical activity randomized controlled trial on conflict monitoring in youth. *Psychophysiology*, *55*, e13017, 1-15, doi: 10.1111/psyp.13017 (PMCID: PMC5754928) .
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 108 of 267, 2nd Quartile (Neurosciences); 21 of 81, 2nd Quartile (Physiology); 17 of 77, 1st Quartile (Psychology) [2018] Impact Factor: 3.378
19. *McGowan, A. L., Bretzin, A. C., Savage, J. L., Petit, K. M., *Parks, A. C., Covassin, T., & **Pontifex, M. B.** (2018). Preliminary evidence for differential trajectories of recovery for cognitive flexibility following sports-related concussion. *Neuropsychology*, *32*, 564-574. doi: 10.1037/neu0000475
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 30 of 77, 2nd Quartile (Psychology); 175 of 267, 3rd Quartile (Neurosciences) [2018] Impact Factor: 2.477

20. **Pontifex, M. B.**, *Gwizdala, K., Weng, T. B., Zhu, D. C., & Voss, M. W. (2018). Cerebral blood flow is not modulated following acute aerobic exercise in preadolescent children. *International Journal of Psychophysiology*, *134*, 44-51. doi: 10.1016/j.ijpsycho.2018.10.007
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 182 of 267, 3rd Quartile (Neurosciences); 41 of 81, 3rd Quartile (Physiology); 33 of 77, 2nd Quartile (Psychology) [2018] Impact Factor: 2.407
21. Raine, L., Kao, S.-C., Pindus, D., Westfall, D. R., Shigeta, T. T., Logan, N., Cadenas-Sanchez, C., Li, J., Drollette, E. S., **Pontifex, M. B.**, Khan, N. A., Kramer, A. F., & Hillman, C. H. (2018). A largescale re-analysis of childhood fitness and inhibitory control. *Journal of Cognitive Enhancement*, *2*, 170-192. doi: 10.1007/s41465-018-0070-7
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: na [2018] Impact Factor: na
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 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 6 of 127, 1st Quartile (Psychology, Clinical); 3 of 73, 1st Quartile (Psychology, Developmental) [2017] Impact Factor: 5.014
23. *Delli Paoli, A. G., Smith, A. L., & **Pontifex, M. B.** (2017). Does walking mitigate affective and cognitive responses to social exclusion? *Journal of Sport and Exercise Psychology*, *39*, 97-108. doi: 10.1123/jsep.2016-0202
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 16 of 50, 2nd Quartile (Hospitality, Leisure, Sport & Tourism); 32 of 78, 2nd Quartile (Psychology); 26 of 82, 2nd Quartile (Psychology, Applied); 26 of 81, 2nd Quartile (Sport Sciences) [2017] Impact Factor: 2.410
24. Kao, S.-C., Westfall, D. R., *Parks, A. C., **Pontifex, M. B.**, & Hillman, C. H. (2017). Muscular and aerobic fitness, working memory, and academic achievement in children. *Medicine and Science in Sports and Exercise*, *49*, 500-508. doi: 10.1249/MSS.0000000000001132 (PMID: 27776002)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 7 of 81, 1st Quartile (Sport Sciences) [2017] Impact Factor: 4.291
25. Kao, S.-C., Drollette, E. S., Scudder, M. R., Raine, L. B., Westfall, D. R., **Pontifex, M. B.**, & Hillman, C. H. (2017). Aerobic fitness is associated with cognitive control strategy in preadolescent children. *Journal of Motor Behavior*, *49*, 150-162. doi: 10.1080/00222895.2016.1161594
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 229 of 261, 4th Quartile (Neurosciences); 57 of 78, 3rd Quartile (Psychology); 58 of 85, 3rd Quartile (Psychology, Experimental); 55 of 81, 3rd Quartile (Sport Sciences) [2017] Impact Factor: 1.513
26. **Pontifex, M. B.**, *Gwizdala, K., *Parks, A. C., Billinger, M., & Brunner, C. (2017). Variability of ICA decomposition may impact EEG signals when used to remove eye blink artifacts. *Psychophysiology*, *54*, 386-398. doi: 10.1111/psyp.12804 (PMID: 28026876)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 127 of 261, 2nd Quartile (Neurosciences); 27 of 83, 2nd Quartile (Physiology); 16 of 78, 1st Quartile (Psychology) [2017] Impact Factor: 3.118
27. **Pontifex, M. B.**, Miskovic, V., & Laszlo, S. (2017). Evaluating the efficacy of fully automated approaches for the selection of eye blink ICA components. *Psychophysiology*, *54*, 780-791. doi: 10.1111/psyp.12827 (PMCID: PMC5397386)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 127 of 261, 2nd Quartile (Neurosciences); 27 of 83, 2nd Quartile (Physiology); 16 of 78, 1st Quartile (Psychology) [2017] Impact Factor: 3.118
28. Raine, L. B., Khan, N. A., Drollette, E. S., **Pontifex, M. B.**, Kramer, A. F., & Hillman, C. H. (2017). Obesity, visceral adipose tissue, and cognitive function in childhood. *Journal of Pediatrics*, *187*, 134-140. doi: 10.1016/j.jpeds.2017.05.023 (PMCID: PMC5541384)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 8 of 124, 1st Quartile (Pediatrics) [2017] Impact Factor: 3.667
29. Westfall, D. R., Kao, S.-C., Scudder, M. R., **Pontifex, M. B.**, & Hillman, C. H. (2017). The association between aerobic fitness and congruency sequence effects in preadolescent children. *Brain and Cognition*, *113*, 85-92. doi: 10.1016/j.bandc.2016.12.005 (PMCID: PMC5346449)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 162 of 261, 3rd Quartile (Neurosciences); 25 of 85, 2nd Quartile (Psychology, Experimental) [2017] Impact Factor: 2.574

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30. Chu, C-H., Chen, F-T., **Pontifex, M. B.**, & Chang, Y-K. (2016). Health-related physical fitness, academic achievement, and neuroelectric measures in children and adolescents. *International Journal of Sport and Exercise Psychology*, 1-16. doi: 10.1080/1612197X.2016.1223420
[X] Drafted Manuscript [X] Revised Manuscript
Journal Metrics: na [2016] Impact Factor: 1.063
31. Drollette, E. S., Scudder, M. R., Raine, L. B., Moore, R. D., **Pontifex, M. B.**, Erickson, K. I., & Hillman, C. H. (2016). The sexual dimorphic association of cardiorespiratory fitness to working memory in children. *Developmental Science*, 9, 90-108. doi: 10.1111/desc.12291 (PMID: 25702796)
[] Research Design [] Statistical Analysis [] Drafted Manuscript [X] Revised Manuscript [X] Data Collection [] Contribution at MSU
Journal Metrics: 4 of 70, 1st Quartile (Psychology Developmental); 3 of 84, 1st Quartile (Psychology Experimental) [2016] Impact Factor: 4.604
32. *Jumbe, T., Comstock, S. S., Harris, W. S., Kinabo, J., **Pontifex, M. B.**, & Fenton, J. I. (2016). Whole blood fatty acids are associated with executive function in Tanzanian children aged four to six years: A cross-sectional study. *British Journal of Nutrition*, 116, 1537-1545. doi: 10.1017/S0007114516003494 (PMID: 27765078)
[X] Research Design [X] Statistical Analysis [X] Drafted Manuscript [X] Revised Manuscript [] Data Collection
Journal Metrics: 20 of 81, 1st Quartile (Nutrition & Dietetics) [2016] Impact Factor: 3.706
33. **Pontifex, M. B.**, *Gwizdala, K. L., *Parks, A. C., Pfeiffer, K. A., & Fenn, K. M. (2016). The association between physical activity during the day and long-term memory stability. *Scientific Reports*, 6(38148), 1-9. doi: 10.1038/srep38148 (PMID: 27909312)
[X] Research Design [X] Statistical Analysis [X] Drafted Manuscript [X] Revised Manuscript [X] Data Collection
Journal Metrics: 10 of 64, 1st Quartile (Multidisciplinary Sciences) [2016] Impact Factor: 4.259

2015

34. Berchicci, M., **Pontifex, M. B.**, Drollette, E. S., Pesce, C., Hillman, C. H., & Di Russo, F. (2015). From cognitive motor preparation to visual processing: The benefits of childhood fitness to brain health. *Neuroscience*, 298, 211-219. doi: 10.1016/j.neuroscience.2015.04.028 (PMID: 25907444)
[] Research Design [] Statistical Analysis [] Drafted Manuscript [X] Revised Manuscript [X] Data Collection
Journal Metrics: 95 of 256, 2nd Quartile (Neurosciences) [2015] Impact Factor: 3.231
35. Chaddock-Heyman, L., Erickson, K. I., Kienzler, C., King, M., **Pontifex, M. B.**, Raine, L. B., Hillman, C. H., & Kramer, A. F. (2015). The role of aerobic fitness in cortical thickness and mathematics achievement in preadolescent children. *PLoS ONE*, 10, 1-11. doi: 10.1371/journal.pone.0134115 (PMCID: PMC4534422)
[] Research Design [] Statistical Analysis [] Drafted Manuscript [X] Revised Manuscript [X] Data Collection
Journal Metrics: 11 of 56, 1st Quartile (Multidisciplinary Sciences) [2015] Impact Factor: 3.057
36. *Parks, A. C., Moore, R. D., Wu, C-T., Broglio, S. P., Covassin, T., Hillman, C. H., & **Pontifex, M. B.** (2015). The association between a history of concussion and variability in behavioral and neuroelectric indices of cognition. *International Journal of Psychophysiology*, 98, 426-434. doi: 10.1016/j.ijpsycho.2015.08.006 (PMID: 26327621)
[X] Research Design [X] Statistical Analysis [X] Drafted Manuscript [X] Revised Manuscript [X] Data Collection
Journal Metrics: 138 of 256, 3rd Quartile (Neurosciences); 34 of 83, 2nd Quartile (Physiology); 27 of 76, 2nd Quartile (Psychology) [2015] Impact Factor: 2.596
37. **Pontifex, M. B.**, *Parks, A. C., *Henning, D. A., & Kamijo, K. (2015). Single bouts of exercise selectively sustain attentional processes. *Psychophysiology*, 52, 618-625. doi: 10.1111/psyp.12395 (PMID: 25523887)
[X] Research Design [X] Statistical Analysis [X] Drafted Manuscript [X] Revised Manuscript [X] Data Collection
Journal Metrics: 105 of 256, 2nd Quartile (Neurosciences); 25 of 83, 2nd Quartile (Physiology); 20 of 76, 2nd Quartile (Psychology) [2015] Impact Factor: 3.074

2014

38. Chaddock-Heyman, L., Erickson, K. I., Holtrop, J. L., Voss, M. W., **Pontifex, M. B.**, Raine, L. B., Hillman, C. H., & Kramer, A. F. (2014). Aerobic fitness is associated with greater white matter integrity in children. *Frontiers in Human Neuroscience, 8* (584), 1-7. doi: 10.3389/fnhum.2014.00584 (PMCID: PMC4137385)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 85 of 252, 2nd Quartile (Neurosciences); 13 of 76, 1st Quartile (Psychology) [2014] Impact Factor: 3.626
39. Drollette, E. S., Scudder, M. R., Raine, L. B., Moore, R. D., Saliba, B. J., **Pontifex, M. B.**, & Hillman, C. H. (2014). Acute exercise facilitates brain function and cognition in children who need it most: An ERP study of individual differences in inhibitory control capacity. *Developmental Cognitive Neuroscience, 7*, 53-64. doi: 10.1016/j.dcn.2013.11.001 (PMID: 24309300)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 75 of 252, 2nd Quartile (Neurosciences) [2014] Impact Factor: 3.833
40. Hillman, C. H., **Pontifex, M. B.**, Castelli, D. M., Khan, N. A., Raine, L. B., Scudder, M. R., Drollette, E. S., Moore, R. D., Wu, C. T., & Kamijo, K. (2014). Effects of the FITKids randomized controlled trial on executive control and brain function. *Pediatrics, 134*, e1063-e1071. doi: 10.1542/peds.2013-3219 (PMID: 25266425)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 4 of 120, 1st Quartile (Pediatrics) [2014] Impact Factor: 5.473
41. Khan, N. A., Raine, L. B., Drollette, E., Scudder, M. R., **Pontifex, M. B.**, Castelli, D. M., Donovan, S. M., Evans, E. E., & Hillman, C. H. (2014). Impact of the FITKIDS physical activity intervention on adiposity in prepubertal children. *Pediatrics, 133*, e875-e883. doi: 10.1542/peds.2013-2246 (PMCID: PMC3966501)
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 Journal Metrics: 4 of 120, 1st Quartile (Pediatrics) [2014] Impact Factor: 5.473
42. **Pontifex, M. B.**, Fine, J. G., *Parks, A. C., da Cruz, K. & Smith, A. L. (2014). The role of physical activity in reducing barriers to learning in children with developmental disorders. *Monographs of the Society for Research in Child Development, 79*, 93-118. doi: 10.1111/mono.12132 [Invited]
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 Journal Metrics: 29 of 68, 2nd Quartile (Psychology, Developmental) [2014] Impact Factor: 1.966
43. **Pontifex, M. B.**, Kamijo, K., Scudder, M. R., Raine, L. B., Khan, N. A., Drollette, E. S., Evans, E. M., Castelli, D. M., Frank, K. A., & Hillman, C. H. (2014). The differential association of adiposity and fitness on cognitive control in preadolescent children. *Monographs of the Society for Research in Child Development, 79*, 72-92. doi: 10.1111/mono.12131 [Invited]
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 29 of 68, 2nd Quartile (Psychology, Developmental) [2014] Impact Factor: 1.966
44. **Pontifex, M. B.**, *Parks, A. C., O'Neil, P. C., *Egner, A. R., Warning, J. T., Pfeiffer, K. A., & Fenn, K. M. (2014). Poorer aerobic fitness relates to reduced integrity of multiple memory systems. *Cognitive, Affective, and Behavioral Neuroscience, 14*, 1132-1141. doi: 10.3758/s13415-014-0265-z (PMID: 24590393)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
 Journal Metrics: 11 of 51, 1st Quartile (Behavioral Sciences); 101 of 252, 2nd Quartile (Neurosciences) [2014] Impact Factor: 3.287

2013

45. Chaddock-Heyman, L., Erickson, K. I., Voss, M. W., Knecht, A. M., **Pontifex, M. B.**, Castelli, D. M., Hillman, C. H., & Kramer, A. F. (2013). The effects of physical activity on functional MRI activation associated with cognitive control in children: A randomized controlled intervention. *Frontiers of Human Neuroscience, 7*, 1-13. doi: 10.3389/fnhum.2013.00072 (PMCID: PMC3594762)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 128 of 252, 3rd Quartile (Neurosciences); 24 of 74, 2nd Quartile (Psychology) [2013] Impact Factor: 2.895

46. Chaddock-Heyman, L., Erickson, K. I., Voss, M. W., Powers, J. P., Knecht, A. M., **Pontifex, M. B.**, Drollette, E. S., Moore, R. D., Raine, L. B., Scudder, M. R., Hillman, C. H., & Kramer, A. F. (2013). White matter microstructure is associated with cognitive control in children. *Biological Psychology, 94*, 109–115. doi:10.1016/j.biopsycho.2013.05.008 (PMID: 23714226)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 11 of 49, 1st Quartile (Behavioral Sciences); 16 of 74, 1st Quartile (Psychology) [2013] Impact Factor: 3.473
47. Gothe, N. P., **Pontifex, M. B.**, Hillman, C. H., & McAuley, E. (2013). The acute effects of Yoga on executive function. *Journal of Physical Activity & Health, 10*, 488-495. (PMID: 22820158)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 43 of 143, 2nd Quartile (Public, Environmental, & Occupational Health) [2013] Impact Factor: 1.863
48. Moore, R. D., Wu, C., **Pontifex, M. B.**, O'Leary, K. C., Scudder, M. R., Raine, L. B., Johnson, C. R., & Hillman, C. H. (2013). Aerobic fitness and intra-individual variability of neurocognition in preadolescent children. *Brain and Cognition, 82*, 43-57. doi: 10.1016/j.bandc.2013.02.006 (PMCID: PMC3632076)
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 Journal Metrics: 143 of 252, 3rd Quartile (Neurosciences) [2013] Impact Factor: 2.683
49. **Pontifex, M. B.**, Saliba, B. J., Raine, L. B., Picchietti, D. L., & Hillman, C. H. (2013). Exercise improves behavioral, neurocognitive, and scholastic performance in children with Attention Deficit/Hyperactivity Disorder. *Journal of Pediatrics, 162*, 543-551. doi:10.1016/j.jpeds.2012.08.036 (PMCID: PMC3556380)
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 Journal Metrics: 6 of 118, 1st Quartile (Pediatrics) [2013] Impact Factor: 3.736
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50. Chaddock, L., Erickson, K. I., Prakash, R. S., Voss, M. W., VanPatter, M., **Pontifex, M. B.**, Hillman, C. H., & Kramer, A. F. (2012). A functional MRI investigation of the association between childhood aerobic fitness and neurocognitive control. *Biological Psychology, 89*, 260-268. doi:10.1016/j.biopsycho.2011.10.017 (PMID: 22061423)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 12 of 49, 1st Quartile (Behavioral Sciences); 15 of 75, 1st Quartile (Psychology) [2012] Impact Factor: 3.399
51. Chaddock, L., Hillman, C. H., **Pontifex, M. B.**, Johnson, C. R., Raine, L. B., & Kramer, A. F. (2012). Childhood aerobic fitness predicts cognitive performance one year later. *Journal of Sport Sciences, 30*, 421-430. doi:10.1080/02640414.2011.647706 (PMID: 22260155)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 22 of 84, 2nd Quartile (Sport Sciences) [2012] Impact Factor: 2.082
52. Drollette, E. S., Shishido, T., **Pontifex, M. B.**, & Hillman, C. H. (2012). Maintenance of cognitive control during and after walking in preadolescent children. *Medicine and Science in Sports and Exercise, 44*, 2017-2024. doi:10.1249/MSS.0b013e318258bcd5 (PMID: 22525770)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 4 of 84, 1st Quartile (Sport Sciences) [2012] Impact Factor: 4.475
53. Kamijo, K., Khan, N. A., **Pontifex, M. B.**, Scudder, M. R., Drollette, E. S., Raine, L. B., Evans, E. M., Castelli, D. M., & Hillman, C. H. (2012). The relation of adiposity to cognitive control and scholastic achievement in preadolescent children. *Obesity, 20*, 2406-2411. doi:10.1038/oby.2012.112 (PMID: 22546743)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 38 of 122, 2nd Quartile (Endocrinology & Metabolism); 12 of 76, 1st Quartile (Nutrition & Dietetics) [2012] Impact Factor: 3.922
54. Kamijo, K., **Pontifex, M. B.**, Khan, N. A., Raine, L. B., Scudder, M. R., Drollette, E. S., Evans, E. M., Castelli, D. M., & Hillman, C. H. (2012). The association of childhood obesity to neuroelectric indices of inhibition. *Psychophysiology, 49*, 1361-1371. doi:10.1111/j.1469-8986.2012.01459.x (PMID: 22913478)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 103 of 252, 2nd Quartile (Neurosciences); 24 of 80, 2nd Quartile (Physiology); 17 of 75, 1st Quartile (Psychology) [2012] Impact Factor: 3.261

55. Kamijo, K., **Pontifex, M. B.**, Khan, N., Raine, L., Scudder, M., Drollete, E., Evans, E., Castelli, D., & Hillman, C. H. (2012). The negative association of childhood obesity to the cognitive control of action monitoring. *Cerebral Cortex*, *24*, 654-662. doi: 10.1093/cercor/bhs349 (PMID: 23146965)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 24 of 252, 1st Quartile (Neurosciences) [2012] Impact Factor: 6.828
56. **Pontifex, M. B.**, Broglio, S. P., Drollette, E. S., Scudder, M. R., Johnson, C. R., O'Connor, P., & Hillman, C. H. (2012). The relation of mild traumatic brain injury to chronic lapses of attention. *Research Quarterly for Exercise and Sport*, *83*, 553-559. doi:10.5641/027013612804582605 (PMID: 23367818)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 55 of 75, 3rd Quartile (Psychology); 51 of 83, 3rd Quartile (Sport Sciences) [2012] Impact Factor: 1.108
57. **Pontifex, M. B.**, Scudder, M. R., Drollette, E. S., & Hillman, C. H. (2012). Fit and vigilant: The relationship between poorer aerobic fitness and failures in sustained attention during preadolescence. *Neuropsychology*, *26*, 407-413. doi:10.1037/a0028795 (PMCID: PMC3390762)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 85 of 252, 2nd Quartile (Neurosciences); 13 of 75, 1st Quartile (Psychology) [2012] Impact Factor: 3.579
58. Scudder, M. R., Drollette, E. S., **Pontifex, M. B.**, & Hillman, C. H. (2012). Neuroelectric indices of goal maintenance following a single bout of physical activity. *Biological Psychology*, *89*, 528-531. doi:10.1016/j.biopsycho.2011.12.009 (PMID: 22200656)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 12 of 49, 1st Quartile (Behavioral Sciences); 15 of 75, 1st Quartile (Psychology) [2012] Impact Factor: 3.399
59. Themanson, J. R., Rosen, P. J., **Pontifex, M. B.**, Hillman, C. H., & McAuley, E. (2012). Alterations in error-related brain activity and post-error behavior over time. *Brain and Cognition*, *80*, 257-265. doi:10.1016/j.bandc.2012.07.003 (PMID: 22940400)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 131 of 252, 3rd Quartile (Neurosciences) [2012] Impact Factor: 2.823
- 2011
60. Chaddock, L., **Pontifex, M. B.**, Hillman, C. H., & Kramer, A. F. (2011). A review of the relation of fitness and physical activity to brain structure and brain function in children. *Journal of the International Neuropsychological Society*, *17*, 1-11. doi:10.1017/S1355617711000567 (PMID: 22040896) [Invited]
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 Journal Metrics: 71 of 192, 2nd Quartile (Clinical Neurology); 122 of 244, 2nd Quartile (Neurosciences); 48 of 130, 2nd Quartile (Psychiatry); 22 of 75, 2nd Quartile (Psychology) [2011] Impact Factor: 2.759
61. Hillman, C. H., **Pontifex, M. B.**, Motl, R. W., O'Leary, K. C., Johnson, C. R., Scudder, M. R., Raine, L. B., & Castelli, D. M. (2011). From ERPs to academics. *Developmental Cognitive Neuroscience*, *2S*, S90-S98. doi:10.1016/j.dcn.2011.07.004 (PMCID: PMC3295229)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 109 of 252, 2nd Quartile (Neurosciences) [2012] Impact Factor: 3.160
62. Kamijo, K., **Pontifex, M. B.**, O'Leary, K. C., Scudder, M. R., Wu, C., Castelli, D. M., & Hillman, C. H. (2011). The effects of an afterschool physical activity program on working memory in preadolescent children. *Developmental Science*, *14*, 1046 - 1058. doi:10.1111/j.1467-7687.2011.01054.x (PMCID: PMC3177170)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 7 of 68, 1st Quartile (Psychology Developmental); 7 of 84, 1st Quartile (Psychology Experimental) [2011] Impact Factor: 3.888
63. O'Leary, K. C., **Pontifex, M. B.**, Scudder, M. R., Brown, M. L., & Hillman, C. H. (2011). The effects of single bouts of aerobic exercise, videogame play, and exergaming on cognitive control. *Clinical Neurophysiology*, *122*, 1518 - 1525. doi:10.1016/j.clinph.2011.01.049 (PMID: 21353635)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 46 of 192, 1st Quartile (Clinical Neurology); 93 of 244, 2nd Quartile (Neurosciences) [2011] Impact Factor: 3.406

64. **Pontifex, M. B.**, Raine, L. B., Johnson, C. R., Chaddock, L., Voss, M. W., Cohen, N. J., Kramer, A. F., & Hillman, C. H. (2011). Cardiorespiratory fitness and the flexible modulation of cognitive control in preadolescent children. *Journal of Cognitive Neuroscience*, *23*, 1332-1345. doi:10.1162/jocn.2010.21528 (PMID: 20521857)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 38 of 244, 1st Quartile (Neurosciences) [2011] Impact Factor: 5.175
65. Themanson, J. R., **Pontifex, M. B.**, Hillman, C. H., & McAuley, E. (2011). The relation of self-efficacy and error-related self-regulation. *International Journal of Psychophysiology*, *80*, 1-10. doi:10.1016/j.ijpsycho.2011.01.005 (PMCID: PMC3070070)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 164 of 244, 3rd Quartile (Neurosciences); 38 of 79, 2nd Quartile (Physiology); 34 of 75, 2nd Quartile (Psychology) [2011] Impact Factor: 2.144
66. Voss, M., Chaddock, L., Kim, J., VanPatter, M., **Pontifex, M. B.**, Raine, L. B., Cohen, N., Hillman, C. H., & Kramer, A. F. (2011). Aerobic fitness is associated with greater efficiency of the network underlying cognitive control in preadolescent children. *Neuroscience*, *199*, 166-176. doi:10.1016/j.neuroscience.2011.10.009 (PMCID: PMC3237764)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 94 of 244, 2nd Quartile (Neurosciences) [2011] Impact Factor: 3.380
67. Wu, C. T., **Pontifex, M. B.**, Raine, L. B., Chaddock, L., Voss, M. W., Kramer, A. F., & Hillman, C. H. (2011). Aerobic fitness and response variability in preadolescent children performing a cognitive control task. *Neuropsychology*, *25*, 333-341. doi:10.1037/a0022167 (PMCID: PMC3086950)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 67 of 244, 2nd Quartile (Neurosciences); 13 of 75, 1st Quartile (Psychology) [2011] Impact Factor: 3.816

2010

68. Chaddock, L., Erickson, K. I., Prakash, R. S., Kim, J. S., Voss, M. W., VanPatter, M., **Pontifex, M. B.**, Raine, L. B., Konkel, A., Hillman, C. H., Cohen, N. J., & Kramer, A. F. (2010). A neuroimaging investigation of the association between aerobic fitness, hippocampal volume and memory performance in preadolescent children. *Brain Research*, *1358*, 172-183. doi:10.1016/j.brainres.2010.08.049 (PMID: 20735996)
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 Journal Metrics: 128 of 244, 3rd Quartile (Neurosciences) [2010] Impact Factor: 2.623
69. Chaddock, L., Erickson, K. I., Prakash, R. S., VanPatter, M., Voss, M. W., **Pontifex, M. B.**, Raine, L. B., Hillman, C. H., Kramer, A. F. (2010). Basal ganglia volume is associated aerobic fitness in preadolescent children. *Developmental Neuroscience*, *32*, 249-256. doi:10.1159/000316648 (PMID: 20693803)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 21 of 38, 3rd Quartile (Developmental Biology); 122 of 239, 3rd Quartile (Neurosciences) [2010] Impact Factor: 2.707
70. Kamijo, K., O'Leary, K. C., **Pontifex, M. B.**, Themanson, J. R., & Hillman, C. H. (2010). The relation of aerobic fitness to neuroelectric indices of cognitive and motor task preparation. *Psychophysiology*, *47*, 814-821. doi:10.1111/j.1469-8986.2010.00992.x (PMCID: PMC2896995)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 95 of 239, 2nd Quartile (Neurosciences); 25 of 78, 2nd Quartile (Physiology); 14 of 73, 1st Quartile (Psychology) [2010] Impact Factor: 3.263
71. **Pontifex, M. B.**, Scudder, M. R., Brown, M., O'Leary, K. C., Wu, C., Themanson, J. R., & Hillman, C. H. (2010). On the number of trials necessary for stabilization of error-related brain activity across the lifespan. *Psychophysiology*, *47*, 767-773. doi:10.1111/j.1469-8986.2010.00974.x (PMID: 20230502)
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 Journal Metrics: 95 of 239, 2nd Quartile (Neurosciences); 25 of 78, 2nd Quartile (Physiology); 14 of 73, 1st Quartile (Psychology) [2010] Impact Factor: 3.263

2009

72. Broglio, S. P., **Pontifex, M. B.**, O'Connor, P., & Hillman, C. H. (2009). The persistent effects of concussion on neuroelectric indices of attention. *Journal of Neurotrauma*, *26*, 1463-1470. doi:10.1089/neu.2008.0766 (PMID: 19331519)
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 Journal Metrics: 5 of 22, 1st Quartile (Critical Care Medicine); 22 of 167, 1st Quartile (Clinical Neurology); 50 of 231, 1st Quartile (Neurosciences) [2009] Impact Factor: 4.255

73. Hillman, C. H., Buck, S. M., Themanson, J. R., **Pontifex, M. B.**, & Castelli, D. (2009). Aerobic fitness and cognitive development: Event-related brain potential and task performance indices of executive control in preadolescent children. *Developmental Psychology, 45*, 114-129. doi:10.1037/a0014437 (PMID: 19209995)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 8 of 59, 1st Quartile (Psychology, Developmental) [2009] Impact Factor: 3.555
74. Hillman, C. H., **Pontifex, M. B.**, Raine, L. B., Castelli, D. M., Hall, E. E., & Kramer, A. F. (2009). The effect of acute treadmill walking on cognitive control and academic achievement in preadolescent children. *Neuroscience, 159*, 1044-1054. doi:10.1016/j.neuroscience.2009.01.057 (PMCID: PMC2667807)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 90 of 231, 2nd Quartile (Neurosciences) [2009] Impact Factor: 3.292
75. **Pontifex, M. B.**, Hillman, C. H. & Polich, J. (2009). Age, physical fitness, and attention: P3a and P3b. *Psychophysiology, 46*, 379-387. doi:10.1111/j.1469-8986.2008.00782.x (PMCID: PMC2763440)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 60 of 231, 2nd Quartile (Neurosciences); 16 of 75, 1st Quartile (Physiology); 11 of 71, 1st Quartile (Psychology) [2009] Impact Factor: 3.926
76. **Pontifex, M. B.**, Hillman, C. H., Fernhall, B., Thompson, K. M., & Valentini, T. A. (2009). The effect of acute aerobic and resistance exercise on working memory. *Medicine and Science in Sports and Exercise, 41*, 927-934. doi:10.1249/MSS.0b013e3181907d69 (PMID: 19276839)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 2 of 73, 1st Quartile (Sport Sciences) [2009] Impact Factor: 3.707
77. **Pontifex, M. B.**, O'Connor, P., Broglio, S. P., & Hillman, C. H. (2009). The association between mild traumatic brain injury history and cognitive control. *Neuropsychologia, 47*, 3210-3216. doi:10.1016/j.neuropsychologia.2009.07.021 (PMID: 19664646)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 6 of 49, 1st Quartile (Behavioral Sciences); 49 of 231, 1st Quartile (Neurosciences) [2009] Impact Factor: 4.345

2008

78. **Pontifex, M. B.**, & Hillman, C. H. (2008). Neuroelectric measurement of cognition during aerobic exercise. *Methods, 45*, 271-278. doi:10.1016/j.ymeth.2008.04.003 (PMID: 18762137) [Invited]
 Drafted Manuscript Revised Manuscript Contribution at MSU
 Journal Metrics: 18 of 65, 2nd Quartile (Biochemical Research Methods); 100 of 275, 2nd Quartile (Biochemistry & Molecular Biology) [2008] Impact Factor: 3.291
79. Themanson, J. R., Hillman, C. H., McAuley, E., Buck, S. M., Doerksen, S. E., Morris, K. S., & **Pontifex, M. B.** (2008). Self-efficacy effects on neuroelectric and behavioral indices of action monitoring in older adults. *Neurobiology of Aging, 29*, 1111-1122. doi:10.1016/j.neurobiolaging.2007.01.004 (PMCID: PMC2471871)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 3 of 36, 1st Quartile (Geriatrics & Gerontology); 21 of 221, 1st Quartile (Neurosciences) [2008] Impact Factor: 5.959
80. Themanson, J. R., **Pontifex, M. B.**, & Hillman, C. H. (2008). Fitness and action monitoring: Evidence for improved cognitive flexibility in young adults. *Neuroscience, 157*, 319-328. doi:10.1016/j.neuroscience.2008.09.014 (PMCID: PMC2657808)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 67 of 221, 2nd Quartile (Neurosciences) [2008] Impact Factor: 3.556

2007

81. **Pontifex, M. B.**, & Hillman, C. H. (2007). Neuroelectric and behavioral indices of interference control during acute cycling. *Clinical Neurophysiology, 118*, 570-580. doi:10.1016/j.clinph.2006.09.029 (PMID: 17095295)
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU
 Journal Metrics: 53 of 146, 2nd Quartile (Clinical Neurology); 101 of 211, 2nd Quartile (Neurosciences) [2007] Impact Factor: 2.468

2006

82. Hillman C. H., Motl, R. W., **Pontifex, M. B.**, Posthuma, D., Stubbe, J. H., Boomsma, D.I., & de Geus, E. J. C. (2006). Physical activity and cognitive function in a cross-section of younger and older community-dwelling individuals. *Health Psychology, 25*, 678-687. doi:10.1016/j.ijpsycho.2005.04.009 (PMID: 17100496)

Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection Contribution at MSU

Journal Metrics: 7 of 60, 1st Quartile (Psychology) [2006]

Impact Factor: 3.693

Citation Metrics for All Publications:

	Citation Metrics	
	Career	Since 2015
Total Citations	9,600	7,181
h-index	41	39
i10-index	60	60
Mean Citations Per Year	616	1,251
Mean Impact Factor	3.39	3.29
Relative Citation Ratio	2.81	

Data from Google Scholar (<http://scholar.google.com>) and NIH iCite (<https://icite.od.nih.gov>)

h-index: largest number h such that h publications have h or more citations.

i10-index: number of publications with at least 10 citations.

Relative Citation Ratio: a field-normalized metric that shows the citation impact relative to the average NIH-funded paper.

Geographic Distribution of Citations



Data from ResearcherID.com (<http://www.researcherid.com/rid/A-4474-2009>) as of July 2017.

Manuscripts Submitted for Review:

83. Beidler, E., Donnellan, B., Kontos, A., Nogle, S., **Pontifex, M. B.**, & Covassin, T. (submitted). The relationship between risk-taking, sensation seeking, and concussion history in collegiate student-athletes.
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
84. Bretzin, A. C., Kuenze, C., **Pontifex, M. B.**, Beidler, E., Nogle, S., & Covassin, T. (submitted). The influence of college football position on computerized neurocognitive function.
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
85. Bretzin, A. C., Kuenze, C., **Pontifex, M. B.**, Beidler, E., Nogle, S., & Covassin, T. (submitted). The influence of high school contact sports participation on baseline computerized neurocognitive function.
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
86. **Pontifex, M. B.**, Parks, A. C., Delli Paoli, A. G., Schroder, H. S., & Moser, J. S. (submitted). The effect of acute exercise for reducing alterations in cognition associated with Anxiety.
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
87. *Henning, D. A., *Ellison, O. K., Hauck, J. L., Paneth, N., Pfeiffer, K. A., & **Pontifex, M. B.** (submitted). Physical activity, but not exercise or sedentary behavior, is associated with less severe impairments and superior mental health related quality of life in adults with cerebral palsy.
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection
88. Delli Paoli, A. G., Smith, A. L., **Pontifex, M. B.**, & Moser, J. S. (submitted). Aerobic fitness moderates girls' affective and working memory responses to social exclusion. *Journal of Sport and Exercise Psychology*.
 Research Design Statistical Analysis Drafted Manuscript Revised Manuscript Data Collection

Commentary & Scholarly Reports (not peer-reviewed):

1. *McGowan, A. L., & **Pontifex, M. B.** (2019). A year in review: Physical activity and cognition — 2018. In Eliakim, A., Falk, B., Armstrong, N., Baptista, F., Behm, D. G., Dror, N., Faigenbaum, A. D., Janz, K. F., Jürimäe, J., *McGowan, A. L., Nemet, D., Pianosi, P. T., **Pontifex, M. B.**, Radom-Aizik, S., Rowland, T., & Rowlands, A. V. (2019). Expert's choice: 2018's most exciting research in the field of pediatric exercise science. *Pediatric Exercise Science*, *31*, 1-27. doi:10.1123/pes.2019-0010
[X] Drafted Manuscript [X] Revised Manuscript
2. **Pontifex, M. B.**, & *Chandler, M. C. (2019). Commentary on the use of accelerometry in individuals at risk for depression. *Submitted to industry funder.*
[X] Drafted Manuscript [X] Revised Manuscript
3. Tremblay, M. S., Vanderloo, L. M., Cairney, J., Choquette, L., Collet, J. P., Davies, T., Faulkner, G., Gitimoghadam, M., Glossop, E., Goldowitz, D., Gunnell, K. E., Kwan, S., Leo, J., Markham, C., McManus, A., Moore, S., **Pontifex, M. B.**, Walsh, J., & Zwicker, J. G. (2018). Expert statement on physical activity and brain health in children and youth. ParticipACTION. permalink

Book Chapters:

1. Kamijo, K., *McGowan, A. L., & **Pontifex, M. B.** (2017). Effects of physical activity on cognition in children and adolescents. In M. Anshel, & S. Petruzzello (Eds.). *APA handbook of sport and exercise psychology.*
[X] Drafted Manuscript [X] Revised Manuscript
2. Hillman, C. H., Kamijo, K., & **Pontifex, M. B.** (2012). The relation of ERP indices of exercise to brain health and cognition. In H. Boecker, C. H. Hillman, L. Scheef, & H. K. Struder (Eds.). *Functional neuroimaging in exercise and sport sciences* (pp. 419-446). Springer: New York, NY.
doi:10.1007/978-1-4614-3293-7_18
[X] Drafted Manuscript [X] Revised Manuscript [] Contribution at MSU
3. Hillman, C. H., **Pontifex, M. B.**, & Themanson, J. R. (2009). Acute aerobic exercise effects on event-related brain potentials. In T. McMorris, P. D. Tomporowski, & M. Audiffren (Eds.), *Exercise and cognition* (pp. 161-180). Wiley Publications: Indianapolis, IN.
doi:10.1002/9780470740668.ch8
[X] Drafted Manuscript [X] Revised Manuscript [] Contribution at MSU

Invited Lectures & Symposia (not included in Abstracts):

International

1. **Pontifex, M. B.** (2019). Keynote Address: Physical activity and brain health. Golden Horseshoe Pediatric Exercise Science Group. *Brock University*, Canada.
2. **Pontifex, M. B.** (2017). What if don't want to exercise today: The association between bouts of physical activity and cognition. Symposium: Psychophysiological insights into the association between health behaviors and cognition (Chair: M. B. Pontifex). *Annual meeting of the North American Society for the Psychology of Sport and Physical Activity*. San Diego, CA.
3. **Pontifex, M. B.** (2016). Flash Talk: What if I don't want to exercise today: Implications for cognition. *Annual meeting of the Society for Psychophysiological Research*. Minneapolis, MN.
4. **Pontifex, M. B.** (2016). From chronic to acute, how physical activity behaviors influence cognition in children. *Annual meeting of the Society for Psychophysiological Research*. Minneapolis, MN.
5. **Pontifex, M. B.** (2016). Keynote Address: Physical activity induced modulations in cognition. *North American Society for Pediatric Exercise Medicine biennial conference*. Knoxville, TN.
6. **Pontifex, M. B.** (2015). Physical activity induced modulations of inhibitory control. *Annual meeting of the American College of Sports Medicine*. San Diego, CA.
7. **Pontifex, M. B.** (2014). Physical activity induced modulations of cognitive control in preadolescent children. *2014 Project Report of Physical Education*. Ministry of Science and Technology of the Republic of China. Taipei, Taiwan.

8. **Pontifex, M. B.**, Hillman, C. H., Fernhall, B., Thompson, K. M., & Valentini, T. A. (2008). Behavioral correlates of working memory following acute aerobic and resistance exercise. *Physical Activity and Cognition Seminar, Annual meeting of the American College of Sports Medicine*. Indianapolis, IN.

Regional

9. **Pontifex, M. B.** (2016). Keynote Address: From chronic to acute, the relation between physical activity behaviors and cognition. *Neuroscience of Attention Conference*. Institute for Mind and Brain and the University of South Carolina. Columbia, SC.
10. **Pontifex, M. B.** (2015). Keynote Address: Physical activity induced modulations in cognitive control. *Physical Activity and Cognitive Health Workshop*. NeuroDevNet. Toronto, Canada.
11. **Pontifex, M. B.** (2015). Keynote Address: Physical activity and cognition. Relationship between health, fitness and learning outcomes. *Regional Healthy School Physical Activity Summit*. MidAmerica Center for Public Health Practice at UIC School of Public Health in Chicago and the Cook County Department of Public Health. Chicago, IL.
12. **Pontifex, M. B.** (2012). Chasing causation: Proving sport matters. Panel with D. Hartmann & M. Massoglia. *LA84 Foundation Summit*. Los Angeles, CA.

Institutional

13. **Pontifex, M. B.** (2015). Physical activity and mental health. *Clinical Psychology Colloquium*. Michigan State University. East Lansing, MI.
14. **Pontifex, M. B.** (2014). Physical activity induced modulations of cognitive control. *Sport Psychology Colloquium*. National Taiwan Normal University. Taipei, Taiwan.
15. **Pontifex, M. B.** (2014). Physical activity induced modulations of cognitive control in preadolescent children. *Psychology Colloquium*. Binghamton University. Binghamton, NY.
16. **Pontifex, M. B.** (2014). Physical activity induced modulations of cognitive control. *Cognitive Science Forum*. Michigan State University. East Lansing, MI.
17. **Pontifex, M. B.** (2010). Physical activity and the modulation of cognitive control in preadolescent children. *Advances in Sensory and Developmental Neuroscience Seminar*. University of Illinois at Urbana-Champaign. Urbana, IL.
18. **Pontifex, M. B.** (2007). The Relationship of age and fitness to attentional orienting and task difficulty. *Psychology of Physical Activity Seminar*. Department of Kinesiology and Community Health. Urbana, IL.

Abstracts (in print or accepted):

2019

1. *Chandler, M. C., Ferguson, D. P., & **Pontifex, M. B.** (2019). Carbohydrate mouth rinse does not affect neuroelectric and behavioral indices of cognition. *Psychophysiology*, *56*, S99.
2. *McGowan, A. L., *Chandler, M. C., & **Pontifex, M. B.** (2019). Fitness modulates behavioral not pupillometric indices of arithmetic processing in college-aged adults, *Psychophysiology*, *56*, S73.

2018

3. *Chandler, M. C., *McGowan, A. L., Brascamp, J. W., & **Pontifex, M. B.** (2018). Exploring the relationship between aerobic fitness and activation of the locus-coeruleus. *Journal of Sport and Exercise Psychology*, *40*, S82.
4. *Chandler, M. C., *McGowan, A. L., Hampton Wray, A., Payne, B. R., & **Pontifex, M. B.** (2018). The relationship between aerobic fitness and neuroelectric indices of reading in college-aged adults. *Psychophysiology*, *55*, S109.

5. Delli Paoli, A. G., Smith, A. L., **Pontifex, M. B.**, & Moser, J. S. (2018). Child affective and working memory responses to social exclusion differ by aerobic fitness Level. Abstract submitted to the annual meeting of the North American Society for the Psychology of Sport and Physical Activity, Denver, CO.
6. *McGowan, A. L., *Chandler, M. C., Brascamp, J. W., & **Pontifex, M. B.** (2018). Investigating the role of tonic and phasic locus-coeruleus activation in modulating cognition following acute exercise. *Journal of Sport and Exercise Psychology, 40*, S106.
7. *McGowan, A. L., *Chandler, M. C., Brascamp, J. W., & **Pontifex, M. B.** (2018). The effect of acute exercise on pupillometric indices of locus-coeruleus activation in college-aged young adults. *Psychophysiology, 55*, S35.
8. Moore, S., Vanderloo, L. M., Cairney, J., McManus, A., Choquette, L. Collet, J. P., Davies, T., Faulkner, G., Gitimoghadam, M., Glossop, E., Goldowitz, D., Gunnell, K. E., Kwan, S., Leo, J., Markham, C., **Pontifex, M. B.**, Walsh, J., Zwicker, J. G., & Tremblay, M. S., (2018). Physical Activity and Brain Health in Children and Youth: Findings from the 2018 ParticipACTION Expert Panel. Submitted for presentation at the North American Society for Pediatric Exercise Medicine Biennial Meeting, Oakland, CA, USA.

2017

9. *Gwizdala, K. L., Weng, T. B., Voss, M. W., & **Pontifex, M. B.** (2017). The effects of single bouts of exercise on cerebral blood flow in preadolescent children. *Journal of Sport and Exercise Psychology, 39*, S250.
10. *McGowan, A. L., Bretzin, A. C., Savage, J. L., LaFevor, M., Petit, K. M., Beidler, E., Parks, A. C., Covassin, T. M., & **Pontifex, M. B.** (2017). Evidence for differential effects of sports-related concussion on subtypes of cognitive flexibility. *Journal of Sport and Exercise Psychology, 39*, S281.
11. Oluyedun, O. A., Smith, A. L., **Pontifex, M. B.**, McAlister, A., & Hauck, J. L. (2017). Positive illusory bias in the physical domain and cognitive functioning among children with ADHD symptoms. *Journal of Sport and Exercise Psychology, 39*, S291.
12. *Parks, A. C., Delli Paoli, A. G., Schroder, H. S., Moser, J. S., & **Pontifex, M. B.** (2017). Acute physical activity modulations of attentional processes and error-monitoring in high- and low-anxious females. *Journal of Sport and Exercise Psychology, 39*, S294.
13. Drollette, E. S., **Pontifex, M. B.**, Raine, L. B., Scudder, M. R., Moore, R. D., Kao, S-C., Castelli, D. M., Khan, N. A., Kramer, A. F., & Hillman, C. H. (2017). Effects of the FITKids randomized controlled trial on cognitive control and conflict monitoring in children. *Medicine & Science in Sports & Exercise, 49*, S1884.
14. Raine, L. B., Khan, N. A., Drollette, E. S., **Pontifex, M. B.**, Kramer, A. F., & Hillman, C. H. (2017). Obesity, visceral adipose tissue, and cognition in childhood. *Medicine & Science in Sports & Exercise, 49*, S1115.

2016

15. *Delli Paoli, A. G., *Parks, A. C., Schroder, H. S., Moser, J. S., & **Pontifex, M. B.** (2016). Activity-based modulation of error-preceding and – monitoring in female worriers. *Psychophysiology, 53*, S44.
16. Drollette, E. S., Raine, L. R., Scudder, M. R., Kao, S-C., Westfall, D. R., **Pontifex, M. B.**, Khan, N. A., Cohen, N. J., Kramer, A. F., & Hillman, C. H. (2016). Physical activity for the brain, but for whom? *Psychophysiology, 53*, S69.
17. *Gwizdala, K. L., *McGowan, A. L., Miskovic, V., Laszlo, S., & **Pontifex, M. B.** (2016). An investigation of fully automated approaches for the selection of eye blink ICA components. *Psychophysiology, 53*, S36.
18. *Parks, A. C., *Delli Paoli, A. G., Schroder, H. S., Moser, J. S., & **Pontifex, M. B.** (2016). Differential effects of a single bout of physical activity on attentional processes in high- and low-anxious individuals. *Psychophysiology, 53*, S35.
19. Gammon, C., Pfeiffer, K. A., Fenn, K., & **Pontifex, M. B.** (2016). Preschoolers' inhibitory control: Associations with physical activity and sleep. *Medicine & Science in Sports & Exercise, 48*, S3750.
20. Kao, S-C., *Parks, A., Komisarz, C., Neufeld, M., **Pontifex, M. B.**, & Hillman, C. H. (2016). Cardiorespiratory and muscular fitness is related to working memory and mathematics in preadolescent children. *Medicine & Science in Sports & Exercise, 48*, S3614.

21. Vasold, K. L., *Parks, A. C., Phelan, D. M. L., **Pontifex, M. B.**, & Pivarnik, J. M. (2016). Reliability and criterion validity of RJL, Omron, and Tanita bioelectric impedance analysis. *Medicine & Science in Sports & Exercise*, *48*, S3751.

2015

22. Drollette, E. S., Raine, L. B., Scudder, M. R., **Pontifex, M. B.**, Moore, R. D., Kao, S-C., Pindus, D. M., Khan, N. A., Kramer, A. F., & Hillman, C. H. (2015). Dimorphic sex differences in conflict monitoring and the flexible modulation of cognitive control in young children: An ERP investigation. *Psychophysiology*, *52*, S49.
23. *Gwizdala, K., *Lamkin, S. R., *Parks, A. C., *Henning, D. A., Billinger, M., Brunner, C., & **Pontifex, M. B.** (2015). Eye blink artifact removal using ICA may be killing your findings: How variability in ICA solutions influence stimulus-locked ERPs. *Psychophysiology*, *52*, S78.
24. *Henning, D. A., *Parks, A. C., *Lamkin, S. R., Schroder, H. S., Moser, J. S., & **Pontifex, M. B.** (2015). Activity-based modulation of error-related brain activity in high-anxious individuals. *Psychophysiology*, *52*, S45.
25. *Parks, A. C., *Berger, N. I., *Lamkin, S. R., *Pineault, L. J., Ingersoll, B. R., & **Pontifex, M. B.** (2015). Exercise induced maintenance of attentional processes in preadolescent children. *Psychophysiology*, *52*, S45.
26. *Parks, A. C., Fenn, K. M., Pfeiffer, K. A., Fleck, C. R., & **Pontifex, M. B.** (2015). Differences in long-term memory consolidation as a function of heart rate intensity. *Journal of Sport and Exercise Psychology*, *37*, S135.
27. Scudder, M. R., Drollette, E. S., Raine, L. B., **Pontifex, M. B.**, Moore, R. D., Kao, S-C., Khan, N. A., Kramer, A. F., & Hillman, C. H. (2015). The influence of socioeconomic factors on neuroelectric, cognitive, and academic achievement in preadolescent children. *Psychophysiology*, *52*, S50.

2014

28. *Delli Paoli, A. G., Smith, A. L., & **Pontifex, M. B.** (2014). Psychological effects of ostracism following an acute bout of physical activity. *Journal of Sport and Exercise Psychology*, *36*, S86.
29. Drollette, E. S., Scudder, M. R., Moore, R. D., Raine, L. B., **Pontifex, M. B.**, & Hillman, C. H. (2014). The relation of sex differences to fitness and working memory in preadolescent children. *Medicine & Science in Sports & Exercise*, *46*, S85.
30. *Henning, D. A., *Parks, A. C., Kamijo, K., & **Pontifex, M. B.** (2014). Single bouts of physical activity sustain neural inhibition. *Journal of the International Neuropsychological Society*, *20*, S231.
31. *Parks, A. C., Moore, R. D., Broglio, T. M., Covassin, C. H., & **Pontifex, M. B.** (2014). Cognitive load induced variability in behavior and neurocognition in young adults with a history of concussion. *Journal of the International Neuropsychological Society*, *20*, S44.
32. *Parks, A. C., Phelan, D. M. L., Ravizza, S. M., & **Pontifex, M. B.** (2014). The association of adipose tissue to cognitive flexibility in healthy young adults. *Medicine & Science in Sports & Exercise*, *46*, S170.

2013

33. *Parks, A. C., Moore, R. D., Broglio, S. P., Covassin, T., Hillman, C. H., & **Pontifex, M. B.** (2013). Cognitive load induced response variability in young adults with a history of concussion. *Medicine & Science in Sports & Exercise*, *45*.
34. **Pontifex, M. B.**, *Parks, A. C., O'Neal, P. C., *Egner, A. R., Warning, J. T., Fenn, K. M., & Pfeiffer, K. A. (2013). Poorer aerobic fitness predicts reduced integrity of cognition across multiple memory systems. *Medicine & Science in Sports & Exercise*, *45*.

2012

35. Drollette, E. S., **Pontifex, M. B.**, Scudder, M. R., Raine, L. B., Saliba, B. J., & Hillman, C. H. (2012). Acute exercise modulates P3 amplitude for children who need it most: An ERP study of individual differences using the flanker task. *Psychophysiology*, *49*, S89.
36. Kamijo, K., **Pontifex, M. B.**, Khan, N. A., Raine, L. B., Scudder, M. R., Drollette, E. S., Evans, E. M., Castelli, D. M., & Hillman, C. H. (2012). Childhood obesity and action monitoring. *Psychophysiology*, *49*, S89.

37. Khan, N. A., Raine, L. B., Drollette, E., Scudder, M. R., **Pontifex, M. B.**, Castelli, D. M., Hillman, C. H., Donovan, S. M., & Evans, E. M. (2012). Television viewing and intake of added sugars are related to central adiposity in prepubertal children. *The Journal of the Federation of American Societies for Experimental Biology*, *26*, 369.5.
38. Moore, R. D., Wu, C. T., **Pontifex, M. B.**, Broglio, S. P., & Hillman, C. H. (2012). The persistent influence of concussion on neuroelectric function and response variability. *Psychophysiology*, *49*, S88.
39. **Pontifex, M. B.**, Kamijo, K., Scudder, M. R., Raine, L. B., Khan, N. A., Evans, E. M., Castelli, D. M., & Hillman, C. H. (2012). The differential association between adiposity, fitness, and cognitive control in preadolescent children. *Psychophysiology*, *49*, S100.
40. **Pontifex, M. B.**, Saliba, B. J., Raine, L. B., Picchietti, D. L., & Hillman, C. H. (2012). Acute exercise enhances inhibition in children with ADHD. *Medicine & Science in Sports & Exercise*, *44*, S105.

2011

41. Chien-Ting, W., **Pontifex, M. B.**, O'Leary, K. C., Scudder, M. R., Raine, L. B., Johnson, C. R., & Hillman, C. H. (2011). Aerobic fitness and intra-individual variability on neurocognitive function in preadolescent children. *Medicine & Science in Sports & Exercise*, *43*, S174.
42. Kamijo, K., **Pontifex, M. B.**, O'Leary, K. C., Scudder, M. R., Chien-Ting, W., Castelli, D. M., & Hillman, C. H. (2011). An afterschool physical activity program improves working memory in preadolescent children. *Medicine & Science in Sports & Exercise*, *43*, S175.
43. Kamijo, K., **Pontifex, M. B.**, Scudder, M. R., Drollette, E. S., Khan, N. A., Castelli, D. M., Evans, E. M. & Hillman, C. H. (2011). Body mass and inhibitory control in preadolescent children. *Psychophysiology*, *48*, S56.
44. Khan, N. A., Richey, A. L., Drollette, E. S., Scudder, M. R., **Pontifex, M. B.**, Castelli, D. M., Hillman, C. H., & Evans, E. M. (2011). Maternal level of education is negatively related to television watching and adiposity in prepubertal children. *Journal of Nutrition Education and Behavior*, *43*, S33.
45. **Pontifex, M. B.**, O'Leary, K. C., Raine, L. B., Chien-Ting, W., Drollette, E. S., Castelli, D. M., & Hillman, C. H. (2011). The beneficial effects of fitness training on neurocognitive function in preadolescent children. *Medicine & Science in Sports & Exercise*, *43*, S176.
46. Raine, L. B., **Pontifex, M. B.**, Scudder, M. R., O'Leary, K. C., Wu, C. T., Drollette, E. S., Castelli, D. M., & Hillman, C. H. (2011). The FITKIDS Trial: The beneficial effects of a 9-month activity intervention on preadolescent cognition. *Psychophysiology*, *48*, S75.
47. Scudder, M. R., Drollette, E. S., **Pontifex, M. B.**, & Hillman, C. H. (2011). A single bout of aerobic exercise improves goal maintenance during a cognitive control task. *Medicine & Science in Sports & Exercise*, *43*, S175.
48. Scudder, M. R., Drollette, E. S., **Pontifex, M. B.**, Paras, F. N., & Hillman, C. H. (2011). Neuroelectric indices of goal maintenance following moderate aerobic exercise. *Psychophysiology*, *48*, S56.

2010

49. Chaddock, L., Erickson, K. I., Prakash, R. S., Kim, J. S., Voss, M. W., VanPatter, M., **Pontifex, M. B.**, Raine, L. B., Konkel, A., Hillman, C. H., Cohen, N. J., & Kramer, A. F. (2010). A Neuroimaging investigation of the association between aerobic fitness, hippocampal volume and memory performance in preadolescent children. *Journal of Cognitive Neuroscience*, SB82.
50. O'Leary, K. C., Scudder, M. R., Brown, M. L., Gilbert, T. R., Flynn, Z. A., **Pontifex, M. B.**, & Hillman, C. H. (2010). The effects of single bouts of aerobic exercise, videogame play, and exergaming on attentional control. *Psychophysiology*, *47*, S42.
51. **Pontifex, M. B.**, O'Leary, K. C., Johnson, C. R., Scudder, M. R., Raine, L. B., Motl, R. W., Castelli, D. M., & Hillman, C. H. (2010). From ERPs to academics. *Psychophysiology*, *47*, S42.
52. Wu, C., **Pontifex, M. B.**, O'Leary, K. C., Scudder, M. R., Raine, L. B., Johnson, C. R., & Hillman, C. H. (2010). Aerobic fitness and intra-individual variability in preadolescent children. *Psychophysiology*, *47*, S43.

2009

53. Kamijo, K., O'Leary, K., **Pontifex, M. B.**, Themanson, J. R., & Hillman, C. H. (2009). Aerobic fitness improves cognitive task preparation. *Psychophysiology, 46*, S37.
54. **Pontifex, M. B.**, Raine, L. B., Chaddock, L., VanPatter, M., Voss, M. W., Kim, J. S., Cohen, N. J., Kramer, A. F., & Hillman, C. H. (2009). Fitness and the modulation of cognitive control in preadolescent children. *Psychophysiology, 46*, S37.
55. **Pontifex, M. B.**, Scudder, M. R., Brown, M., O'Leary, K. C., Wu, C., Themanson, J. R., & Hillman, C. H. (2009). Stabilization of error-related brain activity across the lifespan. *Psychophysiology, 46*, S37.
56. Themanson, J. R., Rosen, P. J., Ball, A. B., Cunningham, M. J., **Pontifex, M. B.**, Hillman, C. H., & McAuley, E. (2009). Investigating alternations in the error-related negativity and post-error behavioral improvements across time. *Psychophysiology, 46*, S92.
57. Themanson, J. R., Rosen, P. J., Cunningham, M. J., Ball, A. B., Clark, B. M., **Pontifex, M. B.**, Hillman, C. H., & McAuley, E. (2009). Distinguishing the relations between self-efficacy, personality, and indices of action monitoring. *Psychophysiology, 46*, S89.

2008

58. Broglio, S. P., Heo, S., O'Connor, P. M., **Pontifex, M. B.**, George, D., Johnson, C., Valentini, T., Hillman, C. H. (2008). The Chronic effect of concussion on clinical neurocognition and neuroelectric indices of attention. *Medicine & Science in Sports & Exercise, 40*, S69.
59. O'Connor, P. M., Heo, S., **Pontifex, M. B.**, Broglio, S. P., Brown, M., Musuruana, R., & Hillman, C. H. (2008). Alterations in the cognitive control of action monitoring with a history of concussion. *Medicine & Science in Sports & Exercise, 40*, S69.
60. **Pontifex, M. B.**, Hillman, C. H., Fernhall, B., Thompson, K. M., & Valentini, T. A., (2008). Behavioral correlates of working memory following acute aerobic and resistance exercise. *Medicine & Science in Sports & Exercise, 40*, S89.
61. **Pontifex, M. B.**, O'Connor, P. M., Broglio, S. P., & Hillman, C. H. (2008). The Influence of mTBI history on the cognitive control of action monitoring. *Psychophysiology, 45*, S36.
62. **Pontifex, M. B.**, Raine, L. B., Witten, B. N., Castelli, D. M., Hall, E. E., Hillman, C. H. (2008). The Effects of acute aerobic exercise on the cognitive control of attention and academic achievement in preadolescent children. *Psychophysiology, 45*, S36.
63. Samson, J. M., Sosnoff, J. J., Buck, S. M., **Pontifex, M. B.**, Themanson, J. R., & Hillman, C. H. (2008). Aerobic exercise training and intra-individual cognitive variability in older adults. *Medicine & Science in Sports & Exercise, 40*, S364.
64. Themanson, J. R., **Pontifex, M. B.**, Hillman, C. H., & McAuley, E. (2008). A Neural and behavioral examination of the relation between self-efficacy and action monitoring processes. *Psychophysiology, 45*, S88.

2007

65. Hillman, C. H., Buck, S. M., Themanson, J. R., & **Pontifex, M. B.** (2007). Aerobic fitness and neuroelectric indices of cognitive control in preadolescent children. *Medicine and Science in Sports and Exercise, 39*, S164.
66. Hillman, C. H., Themanson, J. R., **Pontifex, M. B.**, George, D., Thompson, K., Valentini, T., & Wnek, K. (2007). Neuroelectric indices of error correction and the regulation of cognitive control. *Psychophysiology, 44*, S64.
67. **Pontifex, M. B.**, Hillman, C. H., & Polich, J. (2007). The Relationship of age and fitness to attentional orienting and task difficulty. *Psychophysiology, 44*, S64.
68. Themanson, J. R., **Pontifex, M. B.**, & Hillman, C. H. (2007). Cardiorespiratory fitness influences on the modulation of neuroelectric and behavioral indices of action monitoring. *Psychophysiology, 44*, S65.

2006

69. Hess, J. J., Morris, K., Doerksen, S., Buck, S., Themanson, J., **Pontifex, M.**, Hillman, C., and McAuley, E. (2006). Fitness, self-efficacy, and cognitive performance in older adults. *Medicine and Science in Sports and Exercise*, *38*, S569.
70. **Pontifex, M. B.**, & Hillman, C. H. (2006). Executive control and acute in-task exercise. *Psychophysiology*, *43*, S79.
71. Themanson, J. R., Buck, S. M., **Pontifex, M. B.**, Russell, C. A., Morris, K. A., Doerksen, S. E., Hess, J. J., McAuley, E., & Hillman, C. H. (2006). Self-efficacy and ERN in older adults. *Psychophysiology*, *43*, S98.

2005

72. **Pontifex, M. B.**, Hillman, C. H., Motl, R. W., Posthuma, D., Stubbe, J. H., Boomsma, D. I., de Geus, E. (2005). Physical activity and cognitive function in a cross-section of younger and older community-dwelling individuals. *Journal of Sport & Exercise Psychology*, *27*, S123.

Poster Presentations (not included in Abstracts):

2019

1. Brascamp, J. W., *McGowan, A. L., & **Pontifex, M. B.** (2019). Bi-stable perception as a bridge between vision and decision making. Poster presented at the Vision Sciences Society Conference. St. Pete Beach, FL.

2018

2. *Sokolowski, C. A., *Chandler, M. C., *McGowan, A. L., Brascamp, J. W., & **Pontifex, M. B.** (2018). Exploring the relationship between aerobic fitness and activation of the locus-coeruleus. Poster presented at the Michigan State University Undergraduate Research and Arts Forum.

2015

3. *Delli Paoli, A. G., Smith, A. L., & **Pontifex, M. B.** (2015). Effects of walking and social exclusion on affect and cognition. Poster presented at the 6th Annual Meeting for the Society for Social Neuroscience (S4SN). Chicago, IL.
4. *Theresia, J., Hahn, S., Harris, W., Kinabo, J., **Pontifex, M. B.**, & Fenton, J. I. (2015). Association between fatty acid status and executive function in Tanzanian children aged 2-6. Poster presented at the 2015 Annual Meeting for Experimental Biology.

2014

5. *Delli Paoli, A. G., **Pontifex, M. B.**, & Smith, A. L. (2014). Are the effects of an acute bout of physical activity on inhibitory control consistent across days? Poster presented at the meeting of the 4th Annual Midwestern Cognitive Science Conference, Dayton, OH.
6. Drollette, E. S., Scudder, M. R., Moore, R. D., Raine, L. B., **Pontifex, M. B.**, & Hillman, C. H. (2014). The differential relation of sex on fitness and working memory in pre-pubertal children. Poster presented at the 21st Annual Meeting of the Cognitive Neuroscience Society, Boston, MA.

2013

7. Brassel, A., Shoulberg, E. K., **Pontifex, M. B.**, Smith, A. L., Delli Paoli, A. G., & Hoza, B. (2013). Sex, age and ADHD symptoms: Factors related to inhibition in early childhood. Poster presented at the Sixteenth Biennial International Society for Research in Child and Adolescent Psychopathology scientific meeting. Brussels, Belgium.
8. *Egner, A. R., **Pontifex, M. B.**, Parks, A. C., O'Neal, P. C., Warning, J. T., Fenn, K. M., & Pfeiffer, K. A. (2013). Poorer aerobic fitness predicts reduced integrity of cognition across multiple memory systems. Poster presented at the Michigan State University Undergraduate Research and Arts Forum. East Lansing: MI.
9. Warning, J. T., Pfeiffer, K. A., **Pontifex, M. B.**, Pivarnik, J. M., & Lamb, E. (2013). Are there differences in children's physical activity and aerobic fitness according to academic achievement? Poster presented at the 41st Annual Meeting of the Midwest Chapter of the American College of Sports Medicine, Merrillville, IN.

2012

10. Moore, R. D., Wu, K. T., **Pontifex, M. B.**, Broglio, S. B., & Hillman, C. H. (2012). The influence of concussion on neuroelectric function, attention and response variability. Poster presented at the 2nd Annual Conference on Concussion in Athletics: Brain to Behavior. State College: PA.

2011

11. Kamijo, K., Khan, N. A., **Pontifex, M. B.**, Scudder, M. R., Drollette, E. S., Raine, L. B., Evans, E. M., Castelli, D. M., & Hillman, C. H. (2011). The negative relation of adiposity to cognitive health in preadolescent children: Perspectives on academic achievement. Poster presented at the ACSM Conference on Physical Activity, Cognitive Function, and Academic Achievement: Moving Students to Better Performance. Washington: DC.
12. **Pontifex, M. B.**, Saliba, B. J., Raine, L. B., Picchietti, D. L., & Hillman, C. H. (2011). Enhancing inhibition in children with ADHD: The effect of a single bout of physical activity. Poster presented at the ACSM Conference on Physical Activity, Cognitive Function, and Academic Achievement: Moving Students to Better Performance. Washington: DC.
13. Raine, L. B., **Pontifex, M. B.**, Scudder, M. R., O'Leary, K. C., Wu, C. T., Drollette, E. S., Castelli, D. M., & Hillman, C. H. (2011). The FITKIDS Trial: The beneficial effects of a 9- month activity intervention on preadolescent cognition. Poster presented at the ACSM Conference on Physical Activity, Cognitive Function, and Academic Achievement: Moving Students to Better Performance. Washington: DC.
14. Wójcicki, T. R., McAuley, E., **Pontifex, M. B.**, & Hillman, C. H. (2011). Predicting changes in health-related quality of life in children: Influences of physical self-worth, self-efficacy, fitness and body mass index. Poster presented at the 32nd Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Washington, D.C.

2010

15. Wójcicki, T. R., McAuley, E., **Pontifex, M. B.**, & Hillman, C. H. (2010). Health-Related Quality of Life Indicators in Children: Influences of Esteem, Self-Efficacy, and Fitness. Poster presented at the 2010 International Congress of Physical Activity and Public Health, Toronto, ON, Canada.

2009

16. Bost, K., Choi, E., Levin-Silton, R. Wong, M. S., Hillman, C., **Pontifex, M.**, Warren, S. Roisman, G. I., Heller, W. (2009). Preschool children's organization of emotion: perceptual asymmetry, attachment representations, and behavior among peers. Poster presented at the 2009 Biennial Meeting of the Society for Research in Child Development, Denver, CO.
17. Hillman, C. H., **Pontifex, M. B.**, Raine, L. B., Castelli, D. M., Hall, E. E., & Kramer, A. F. (2009). The Effects of acute aerobic exercise on the cognitive control of attention and academic achievement in preadolescent children. Poster presented at the 2009 Biennial Meeting of the Society for Research in Child Development, Denver, CO.
18. Raine, L. B., Hillman, C. H., **Pontifex, M. B.**, Castelli, D. M., Hall, E. E., & Kramer, A. F. (2009). The Effect of acute treadmill walking on cognitive control and academic achievement in preadolescent children. Poster presented at the 2009 CHAD, Health and Wellness Initiative Symposium, University of Illinois at Urbana-Champaign, IL.

2007

19. **Pontifex, M. B.**, Hillman, C. H., & Polich, J. (2007). The Relationship of age and fitness to attentional orienting and task difficulty. Poster presented at the 2007 Department of Kinesiology and Community Health 50th Anniversary Open House, University of Illinois at Urbana-Champaign, IL.

2006

20. **Pontifex, M. B.**, & Hillman, C. H. (2006). Neuroelectric and behavioral indices of interference control during acute cycling. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society.
21. **Pontifex, M. B.**, & Hillman, C. H. (2006). Neuroelectric and behavioral indices of interference control during acute cycling. Poster presented at the 2006 Department of Kinesiology and Community Health Honors and Awards Night, University of Illinois at Urbana-Champaign, IL.

22. Themanson, J. R., Buck, S. B., **Pontifex, M. B.**, Russell, C. & Hillman, C. H. (2006). Cardiorespiratory fitness and action monitoring in preadolescent children. Poster presented at the Annual Meeting of the Cognitive Neuroscience Society.

2005

23. Morris, K., Doerksen, S., McAuley, E., Hillman, C., Buck, S., Themanson, J., & **Pontifex, M.** (2005). Self-efficacy, cognition, and fitness in older adults. Poster presented at the 2005 annual meeting of the International Society for Behavioral Nutrition and Physical Activity, Amsterdam, The Netherlands.
24. **Pontifex, M.B.**, Hillman, C.H., Motl, R.W., Posthuma, D., Stubbe, J.H., Boomsma, D.L., & de Geus, E., (2005). Physical activity and cognitive function in a cross-section of younger and older community-dwelling individuals. Poster presented at the 2005 Department of Kinesiology Honors and Awards Night, University of Illinois at Urbana-Champaign, IL.

Software Development (github.com/mattpontifex)

R Toolboxes:

1. **Rmimic**. An R package that mimic functionalities and outputs of SPSS/SAS to make R easier for students to learn and ensure that tests are run using the appropriate methods. Test results are automatically broken down using appropriate post-hoc tests and statistics are outputted in APA format.

Python Toolboxes:

2. **xcat**. This package provides a category analysis engine designed for the automated processing of behavioral data files that are produced during administration of cognitive assessments. This toolbox is compatible with a number of popular formats including Neuroscan Stim2 and E-Prime. Included within this toolbox are functions for creating compatible output files for BOLD fMRI data processing and processing algorithms for Conditional Accuracy Functions.

EEGLAB/ERPLAB Extensions:

1. **loadcurry**. This package enables loading data recorded using Compumedics Neuroscan Curry neuroimaging software suite into EEGLAB in Matlab.
2. **simpleEEG**. A set of EEGLAB/ERPLAB functions that enhance the functionality of the point and click EEGLAB graphical user interface. This extension calls many default functions within EEGLAB simplifying the option list to the most commonly used parameters and simplifying the command line calls. In other cases the extension utilizes custom functions to mimic the output of default functions but using more robust approaches to eliminate potential errors and ERPLAB popups. Each function, when run, will also output equivalent code that can be run with a script or function.
3. **icaeyeblickmetrics**. This package is designed for automated/semi-automated selection of ICA components associated with eye blink artifact using time-domain measures. The toolbox is based on the premises that 1) an ICA component associated with eye blinks should be more related to the recorded eye blink activity than other ICA components, and 2) removal of the ICA component associated with eye blinks should reduce the eye blink artifact present within the EEG following back projection.
4. **erppeakinterval**. This package is designed to supplement the ERP quantification metrics provided by ERPLAB. This extracts the mean amplitude surrounding the peak latency for each channel in the interval period specified. Effectively this can be considered as moving the window period to center around the peak amplitude.

Instructional Activities

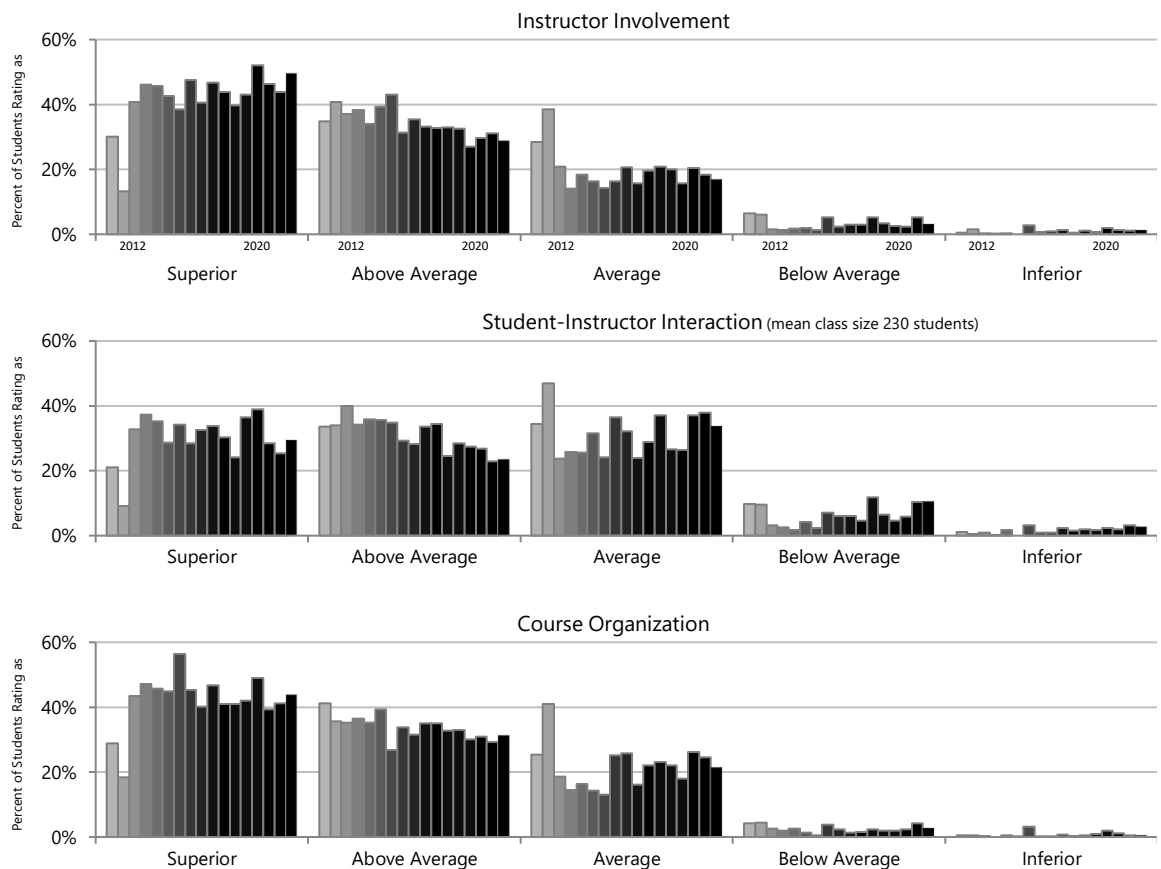
Undergraduate Courses:

* Denotes the development of a new course or significant revision of existing course.

2012 – Present **Instructor**, KIN 173: Foundations of Kinesiology *
Michigan State University, East Lansing, MI

Significantly revised and updated previous content and instructed an introductory kinesiology course which is one of the core courses in Kinesiology. This course surveys the discipline of kinesiology, reviewing selected concepts in each of the major sub-disciplines in order to demonstrate how they contribute to our understanding of the nature and importance of physical activity. This course serves to introduce students to the basic theoretical and practical concepts, topics, and issues that relate to the field of kinesiology; drawing current events from the world of sports and public health as examples relevant to the topics discussed. Topics include basic anatomy and physiology, the measurement and meaning of variables important to understanding kinesiology, research methods, exercise responses, training principles and adaptations, aggression, psychopathology, and how psychological, social, and cultural processes influence the development of basic motor skills; to name a few.

Course Ratings By Semester



Semester	Total Students	Percent Freshman	Instructor Involvement	Student Interest	Student-instructor interaction	Course demands	Course organization
Spring – 2012	120	54	2.1 ± 0.3	2.1 ± 0.1	2.4 ± 0.1	2.4 ± 0.1	2.1 ± 0.1
Fall – 2012*	174	56	2.4 ± 0.6	2.2 ± 0.6	2.6 ± 0.6	2.7 ± 0.6	2.3 ± 0.7
Spring – 2013	211	43	1.8 ± 0.7	2.0 ± 0.6	2.0 ± 0.8	2.2 ± 0.8	1.8 ± 0.7
Fall – 2013	200	52	1.7 ± 0.7	1.9 ± 0.7	1.9 ± 0.8	2.1 ± 0.8	1.7 ± 0.7
Spring – 2014	202	37	1.8 ± 0.7	1.9 ± 0.7	2.0 ± 0.8	2.1 ± 0.8	1.8 ± 0.8
Fall – 2014	206	45	1.8 ± 0.7	2.0 ± 0.7	2.1 ± 0.7	2.1 ± 0.7	1.7 ± 0.7

Spring – 2015	209	38	1.9 ± 0.9	2.0 ± 0.9	2.1 ± 1.0	2.2 ± 0.9	1.7 ± 0.9
Fall – 2015	226	53	1.8 ± 0.9	2.0 ± 0.8	2.3 ± 0.9	2.1 ± 0.9	1.7 ± 0.8
Spring – 2016	225	41	1.9 ± 0.9	2.0 ± 0.8	2.1 ± 1.0	2.1 ± 0.9	1.9 ± 0.9
Fall – 2016	234	56	1.8 ± 0.9	1.8 ± 0.8	2.1 ± 1.0	2.0 ± 0.9	1.7 ± 0.8
Spring – 2017	298	43	1.8 ± 0.9	1.9 ± 0.8	2.1 ± 0.9	2.1 ± 0.9	1.8 ± 0.9
Fall – 2017	237	52	1.9 ± 0.9	2.0 ± 0.8	2.4 ± 1.0	2.3 ± 1.0	1.9 ± 0.9
Spring – 2018	309	50	1.9 ± 0.9	1.9 ± 0.8	2.1 ± 1.0	2.1 ± 0.9	1.9 ± 0.8
Fall – 2018	234	47	1.8 ± 0.9	1.8 ± 0.8	2.0 ± 1.0	2.0 ± 1.0	1.7 ± 0.9
Spring – 2019	306	57	1.8 ± 0.9	1.9 ± 0.8	2.3 ± 1.0	2.2 ± 0.9	1.9 ± 0.9
Fall – 2019	238	46	1.9 ± 1.0	1.9 ± 0.8	2.4 ± 1.1	2.2 ± 1.0	1.9 ± 0.9
Spring – 2020**	290	53	1.8 ± 0.9	1.8 ± 0.8	2.3 ± 1.1	2.1 ± 1.0	1.8 ± 0.9

Data obtained from the MSU Student Instructional Rating System as of August, 2020.

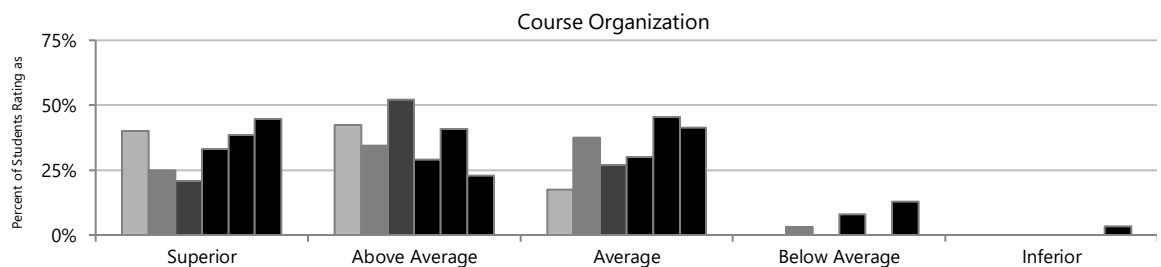
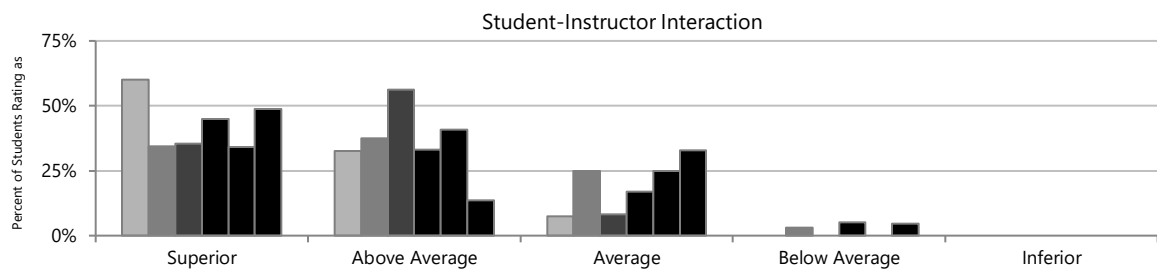
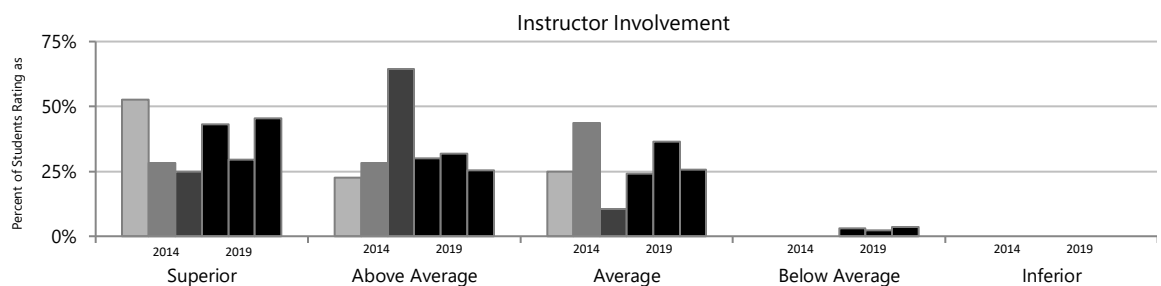
Scores range from Superior (1) to Inferior (5). *Denotes the first semester with a laboratory component. **Denotes the mid-semester transition to online format as a result of COVID-19.

Spring 2019
 Fall 2018
 Fall 2016
 Fall 2015
 Fall 2014

Instructor, KIN 443: Psychophysiological Aspects of Kinesiology *
 Michigan State University, East Lansing, MI

Examination of the theory and practice of using non-invasive electrophysiological and hemodynamic measures to study psychological phenomena, and how these psychological constructs are influenced by exercise and physical activity engagement. Diverse material spanning multiple aspects of psychology has been selected to reflect the interaction between psychological processes and physiological parameters in exercise science.

Course Ratings By Semester



Semester	Total Students	Instructor Involvement	Student Interest	Student-instructor interaction	Course demands	Course organization
Fall – 2014	10	1.7 ± 0.7	1.8 ± 0.7	1.5 ± 0.5	2.0 ± 0.7	1.8 ± 0.6
Fall – 2015	15	2.1 ± 0.8	2.1 ± 0.7	1.9 ± 0.8	2.1 ± 0.9	2.2 ± 0.8
Fall – 2016	20	1.9 ± 0.6	2.0 ± 0.6	1.7 ± 0.6	1.9 ± 0.6	2.2 ± 0.7
Fall – 2018	29	1.9 ± 0.9	1.8 ± 0.8	1.8 ± 0.9	1.8 ± 0.8	2.1 ± 0.9
Spring - 2019	14	2.1 ± 0.9	2.2 ± 1.0	1.9 ± 0.8	2.0 ± 0.7	2.0 ± 0.8
Fall – 2019	30	1.9 ± 0.9	2.0 ± 0.8	1.9 ± 1.0	2.0 ± 0.9	2.2 ± 1.2

Data obtained from the MSU Student Instructional Rating System as of February, 2020.
Scores range from Superior (1) to Inferior (5).

2010 – 2011,
2006 – 2008

Head Teaching Assistant, KINES 140: Social Science of Human Movement
University of Illinois, Urbana-Champaign, IL

Coordinated and managed course content for five laboratory sections of an introductory kinesiological psychology course (100-150 students). Responsible for development and dissemination of instructional materials and course examination content as well as duties associated with instruction of laboratory sections (instructed students on psychological and sociological concepts and issues related to sport and exercise participation, evaluating assignments and materials completed by students, and assigning grades for the laboratory portion of the class).

2009

Instructor, KINES 140: Social Science of Human Movement
University of Illinois, Urbana-Champaign, IL

Served as the instructor for an introductory kinesiological psychology course (SP09: 181 students; FA09: 137 students) which is one of the core courses in Kinesiology and as well as a course that meets general education requirements in the social and behavioral sciences. This course served to introduce students to the basic theoretical and practical concepts (including a multitude of systematic methods, perspectives, and approaches) involved in the psychological and sociological study of kinesiology.

Fall 2008

Head Teaching Assistant, KINES 447: Psychology of Sport Performance
University of Illinois, Urbana-Champaign, IL

Coordinated and managed course content for an advanced kinesiological psychology course (50-75 students). Responsible for the evaluation of all assignments and materials completed by students. Assisted with the instruction of students on psychological concepts and issues related to sport performance.

Graduate Courses:

** Denotes the development of a new course or significant revision of existing course.*

Fall 2017

Instructor, KIN 960: Issues in Motor Behavior – Topic: Professional Development and Grant Writing *
Michigan State University, East Lansing, MI

This course was designed to enhance students' understanding of the expectations involved in pursuing a research-based academic career with the goal of developing those skills and materials necessary to compete effectively. This course utilized a hybrid of lecture, discussion, and workshop-like activities to cover topics including strategies for navigating graduate school, project management, and the academic job market. Additional emphasis was placed upon enhancing students' familiarity with the process of finding and successfully competing for grants to support their research activities.

Semester	Total Students	Instructor Involvement	Student Interest	Student-instructor interaction	Course demands	Course organization
Fall – 2017	16	1.9 ± 0.9	2.1 ± 1.0	1.9 ± 0.9	2.5 ± 1.1	2.2 ± 1.1

Data obtained from the MSU Student Instructional Rating System as of February, 2018.
Scores range from Superior (1) to Inferior (5).

Fall 2013 **Instructor**, KIN 940: Issues in Psychosocial Physical Activity – Topic: Cognitive Kinesiology *
Michigan State University, East Lansing, MI

This course examines emerging research in the neurobiological exercise sciences. The main focus of this course is on the relationship between physical activity, fitness, and other health factors on brain and cognition across the lifespan. Methodological techniques and approaches for research on cognitive kinesiology are also discussed relative to the utilization of both human and non-human animal models and neuroimaging techniques (ERPs, fMRI, fNIRS, & PET). Discussions focus on the current state of the field and potential future directions for further research bridging across clinical psychology, cognitive science, educational policy, exercise science, and neurobiology.

Semester	Total Students	Instructor Involvement	Student Interest	Student-instructor interaction	Course demands	Course organization
Fall – 2014	10	1.4 ± 0.3	1.3 ± 0.4	1.3 ± 0.4	1.7 ± 0.6	1.3 ± 0.4

Data obtained from the MSU Student Instructional Rating System as of January, 2014.
Scores range from Superior (1) to Inferior (5).

Doctoral Dissertation Chair:

- 2020 David A. Henning, Kinesiology, “An exploratory examination of the role that lifestyle activity and extent of disability has on cognitive function and quality of life in adults with cerebral palsy.”
- 2020 Amanda L. McGowan, Kinesiology, “Preschoolers exhibit similar learning but greater on-task behavior following physically active lessons on the approximate number system.”
- 2019 Katy Gwizdala, Kinesiology, “Cerebral glucose uptake as an underlying mechanism of the effect of acute physical activity on inhibitory control.”
- 2017 Andrew C. Parks, Kinesiology, “The effect of an acute bout of physical activity on inhibitory control in children with autism spectrum disorder.”
- In Progress Madison C. Chandler, Kinesiology
- In Progress Oksana Ellison, Kinesiology
- In Progress Lauren Bullard, Kinesiology

Doctoral Dissertation Committee Member:

- 2019 Abby Bretzin, Kinesiology, “Exploring long-term effects of contact sports participation.”
- 2019 Russel Banks, Communicative Sciences and Disorders, “Concussion related differences in vocalization metrics.”
- 2017 Anthony G. Delli Paoli, Kinesiology, “Effects of physical activity and aerobic fitness on responses to social exclusion.”
- 2017 Natalie Berger, Clinical Psychology, “Understanding social versus nonsocial intention in autism spectrum disorder: Exploring the neural correlates of intention understanding based on intentional content.”
- 2016 Katelin daCruz, School Psychology, “Effects of a randomized trial after-school physical activity club on the math achievement and executive functioning of girls.”
- 2015 Teddy Jumbe, Food Science and Human Nutrition, “Association of fatty acid levels and growth and cognitive status of Tanzanian children 2-6 years.”
- 2015 Jamie McAllister Deitrick, Kinesiology, “Implicit memory in high school athletes with a history of concussion.”
- 2012 Brandon C. Irwin, Kinesiology, “Increasing physical activity in free-living conditions: Examination of the Köhler motivation gain effect.”

Doctoral Guidance Committee Member:

Sharon L. Lo, Clinical Psychology Stephen Samendinger, Kinesiology

Comprehensive Exam Committee Member:

Katelin daCruz, School Psychology Samuel Forlenza, Kinesiology Stephen Samendinger, Kinesiology

Masters Student Committee Member:

2017 Gabriella Gilfoy, Communicative Sciences and Disorders

2016 Olufemi Oluyedun, Kinesiology

2013 Anthony G. Delli Paoli, Kinesiology

Supervision of Undergraduate Research Assistants in Kinesiology:

Maddy Allen	Mackenzie Eschberger	Samantha Lamkin	Riley Rampolo
Madeleine Barrera	David Gasser	Shaina Lewinski	Andrew Rehling
Ashley Bennett	Abby Gaulin	Abigail London	Stephen Sheppard
Becca Blitz	Monica Hagen	Grace Mansour	Will Shriver
Jensyn Bradley	Jeremy Hagerman	Mallory Martlock	Carrie Thor
Alexis Burdo	Morgan Ham	Gabriel Miller	Stacy Vo
Shelby Cavazos	Thacker Hisey	Katherine Miller	Alexis VonBehren
Rachel Collaer	Shelby Jarvis	Anthony Mrocko	Katie Voisard
Vanessa Cousino	Kylie Kayser	Ashley Nebel	Alex Wietrick
Samantha Curry	Madeline Kipke	Lydia Pineault	Cassie Zeni
Audrey Dorshimer	Tyler King	Amanda Pohl	Kelly Zorn
Adriel Egner	Kyle Kirkland		

Supervision of Undergraduate Research Assistants in Other Majors:

Alexander Blanchett, Neuroscience	Brandon Henry, Neuroscience	Jennifer Sneeringer, Psychology
Kayla Bryant, Neuroscience	McKenzie Kosiara, Neuroscience	Caleb Sokolowski, Human Biology
Michael Conklin, Engineering	Connor Moul, Packaging	
Clare Gapare, Neuroscience	Effie Oates, Neuroscience	
Katy Gwizdala, Neuroscience	Breanna Prickett, Neuroscience	

Supervision of Pre-Undergraduate Research:

Summer 2012 Alexis Fuentes, Future Scientist Program sponsored by the American Cancer Society, Lansing School District, and Michigan State University

Professional Affiliations

2007 – Present	American College of Sports Medicine
2004 – Present	Society for Psychophysiological Research
2015 – 2019, 2005 – 2007	North American Society for Psychology of Sport and Physical Activity
2005 – 2009	Cognitive Neuroscience Society