

Greg J Petrucci Jr.

Curriculum Vitae

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EDUCATION

2017 - present	M.S. & Ph.D. Kinesiology Advisor: John R. Sirard, Ph.D.	University of Massachusetts, Amherst, MA
2013 - 2017	B.S. Kinesiology Summa Cum Laude & Honors with Greatest Distinction	University of Massachusetts, Amherst, MA

PUBLICATIONS

Referred publications:

1. **Petrucci Jr, G.J.**, Masteller, B.R., Cox, M.F., Staudenmayer, J., Freedson, P.S. & Sirard, J.R. (2018). Sensitivity of the misfit shineTM to detect changes in laboratory-based and free-living physical activity. *Journal for the Measurement of Physical Behaviour*, 1(1), 18-25.

Book chapters:

1. Sirard, J.R. & **Petrucci Jr, G.J.** (2018). Assessment of physical activity and sedentary behaviors. In: *Physical Activity and Public Health Practice: A Guide for Effective Interventions*. Springer Publishing Company, New York, NY.

Publications in preparation:

1. Cox, M.F., **Petrucci Jr, G.J.**, Marcotte, R.T., Masteller, B.R., Staudenmayer, J., Freedson, P.S. & Sirard, J.R. (2018). A novel video-based direct system for assessing physical activity and sedentary behavior in children and young adults. *Journal for the Measurement of Physical Behaviour*.
2. Marcotte, R.T., **Petrucci Jr, G.J.**, Cox, M.F., Freedson, P.S., Staudenmayer, J. & Sirard, J.R. (2018). An evaluation of actigraph hip and wrist methods to estimate sedentary behavior in the free-living environment. *Med Sci Sports Exerc*.
3. Becofsky, K., Marcotte, R.T. & **Petrucci Jr, G.J.** (2019). An investigation of dog walking intensity and its contribution to dog ownership physical activity levels as measured by accelerometry. *Journal for the Measurement of Physical Behaviour*.

Conference proceedings with published abstracts:

1. **Petrucci Jr, G.J.**, Freedson, P.S., Masteller, B.R., Cox, M.F., Staudenmayer, J. & Sirard, J.R. (2018). Sensitivity of a consumer activity tracker to detect changes in lab-based and free-living activity settings. *American College of Sports Medicine Annual Meeting*. Jun 2018. Minneapolis, MN.
2. Cox, M.F., **Petrucci Jr, G.J.**, Masteller, B.R. & Sirard, J.R. (2018). The development and testing of a direct observation protocol for children's free-living activity. *American College of Sports Medicine Annual Meeting*. Jun 2018. Minneapolis, MN.

3. Jai Kumar, J., **Petrucci Jr, G.J.**, Masteller, B.R., Cox, M.F., Staudenmayer, J., Sirard, J.R. & Freedson, P.S. (2017). Investigation of the relationship between user height and steps measured by a consumer activity tracker. *International Conference on Ambulatory Monitoring of Physical Activity and Movement*. Jun 2017. Bethesda, MD.
4. **Petrucci Jr, G.J.**, Masteller, B.R., Cox, M.F., Staudenmayer, J., Sirard, J.R. & Freedson, P.S. (2017). A Consumer activity tracker is sensitive to changes in steps during simulated free-living. *American College of Sports Medicine Annual Meeting*. Jun 2017. Denver, CO.
5. Masteller, B.R., Larson, J., Cox, M.F., **Petrucci Jr, G.J.**, Staudenmayer, J., Freedson, P.S. & Sirard, J.R. (2017). Comparison of step estimates between a consumer activity tracker and research accelerometer on the dominant and non-dominant wrist. *American College of Sports Medicine Annual Meeting*. Jun 2017. Denver, CO.
6. Cox, M.F., Slate-Romano, J., Vercollone, H., Jacobson, D., **Petrucci Jr, G.J.**, Masteller, B.R. & Sirard, J.R. (2017). Testing a novel direct observation method for children's free play activity *American College of Sports Medicine Annual Meeting*. Jun 2017. Denver, CO.
7. **Petrucci Jr, G.J.**, Hickey, A., Mendoza, A. & Freedson, P.S. (2016). Validation of the cybex arctrainer™ for prediction of energy expenditure. *American College of Sports Medicine Annual Meeting*. Jun 2016. Boston, MA.

Other conference presentations & publications:

1. **Petrucci Jr, G.J.**, Freedson, P.S., Masteller, B.R., Cox, M.F., Staudenmayer, J. & Sirard, J.R. (2018). Sensitivity of misfit shine™ to detect changes in lab-based and free-living activity settings. *UConn mHealth and Social Media Conference*. May 2018. Storrs, CT.
2. **Petrucci Jr, G.J.**, Freedson, P.S., Masteller, B.R., Cox, M.F., Staudenmayer, J. & Sirard, J.R. (2018). Sensitivity of misfit shine™ to detect changes in lab-based and free-living activity settings. *Industry Advisory Board Meeting for the Center for Personalized Health Monitoring*. May 2018. Amherst, MA.
3. **Petrucci Jr, G.J.**, Marcotte, R.T., Cox, M.F., Freedson, P.S., Staudenmayer, J. & Sirard, J.R. (2018). Investigation of machine learning methods to estimate sedentary behavior in free-living environments from an accelerometer. *New England Statistics Symposium*. Apr. 2018. Amherst, MA.
4. Marcotte, R.T., **Petrucci Jr, G.J.**, Staudenmayer, J. & Sirard, J.R. (2018). Non-exercise estimation of cardiorespiratory fitness using NHANES 2003-2004 accelerometer data. *New England Statistics Symposium*. Apr. 2018. Amherst, MA.
5. **Petrucci Jr, G.J.**, Marcotte, R.T., Cox, M.F., Freedson, P.S., Staudenmayer, J. & Sirard, J.R. (2018). Investigation of actigraph hip methods to estimate sedentary behavior in free-living environments. *School of Public Health and Health Sciences Research Day*. Apr. 2018. Amherst, MA.
6. Marcotte, R.T., **Petrucci Jr, G.J.**, Cox, M.F., Freedson, P.S., Staudenmayer, J. & Sirard, J.R. (2018). An evaluation of actigraph wrist methods to estimate sedentary behavior in the free-living environment. *School of Public Health and Health Sciences Research Day*. Apr. 2018. Amherst, MA.
7. Cox, M.F., **Petrucci Jr, G.J.**, Masteller, B.R. & Sirard, J.R. (2018). The development and testing of a direct observation protocol for children's free-living activity. *School of Public Health and Health Sciences Research Day*. Apr 2018. Amherst, MA.
8. **Petrucci Jr, G.J.**, Freedson, P.S., Masteller, B.R., Cox, M.F., Staudenmayer, J. & Sirard, J.R. (2017). Sensitivity of misfit shine™ to detect changes in laboratory and free-living physical

activity. *New England Chapter of the American College of Sports Medicine Annual Fall Meeting*. Oct 2017. Providence, RI.

9. Cox, M.F., **Petrucci Jr, G.J.**, Masteller, B.R. & Sirard, J.R. (2017). The development and testing of a direct observation protocol for children's free-living activity. *New England Chapter of the American College of Sports Medicine Annual Fall Meeting*. Oct 2017. Providence, RI.
10. **Petrucci Jr, G.J.**, Freedson, P.S., Masteller, B.R., Cox, M.F., Staudenmayer, J. & Sirard, J.R. (2017). Sensitivity of misfit shine™ to detect changes in physical activity. *UMass Medical mHealth and Social Media Conference*. May 2017. Worcester, MA.
11. **Petrucci Jr, G.J.**, Hickey, A., Mendoza, A. & Freedson, P.S. (2016). Validation of the cybex arctrainer™ for prediction of energy expenditure. *New England Chapter of the American College of Sports Medicine Annual Fall Meeting*. Oct 2016. Providence, RI.

AWARDS AND HONORS

Feb 2017. Finalist for Distinguished Teaching Award. *University of Massachusetts*.

Aug 2017. Mark Connolly Master's Student Scholarship. *New England Chapter of the American College of Sports Medicine*. \$750.

Dec 2016. Nominated for 21ST Century Leaders Award. *University of Massachusetts*.

Oct 2016. Rising Researcher Award. *University of Massachusetts*.

Jun 2016. Charles J. Hoff Honors Scholarship. *Commonwealth Honors College*. \$4000.

Apr 2016. William F. Field Alumni Scholar. *University of Massachusetts Alumni Association*. \$1000.

GRANTS AND FELLOWSHIPS

Funded grants:

Apr 2016. Submission title: Validation of Youth-Orientated Activity Trackers in Semi-Structured Free Play. *Commonwealth Honors College*. \$1000.

Unfunded grants:

Spt 2017. Graduate Student Travel Grant. *Department of Kinesiology, University of Massachusetts*. \$500.

Dec 2016. Priscilla Clarkson Travel Grant. *American College of Sports Medicine*. \$1000.

Dec 2015. Priscilla Clarkson Travel Grant. *American College of Sports Medicine*. \$1000.

CONFERENCE AND MEETING ACTIVITY

Podium presentations:

Petrucci Jr, G.J., Freedson, P.S., Masteller, B.R., Cox, M.F., Staudenmayer, J. & Sirard, J.R. (2018). Sensitivity of a consumer activity tracker to detect changes in lab-based and free-living activity settings. *American College of Sports Medicine Annual Meeting*. Jun 2018. Minneapolis, MN.

Petrucci Jr, G.J. Sensitivity of the misfit shine to detect changes in physical activity (2017). *Statewide Undergraduate Research Conference*. Apr, 2017. Amherst, MA.

Petrucci Jr, G.J. & Freedson, P.S. (2016). New frontiers in wearable & personalized health monitoring; The IALS vision as seen through the undergraduate lens. *Institute of Applied Life Sciences Grand Opening*. Oct 2016. Amherst, MA.

TEACHING EXPERIENCE

Graduate teaching assistant:

Spt-Dec 2017. KIN 355 Scientific Writing in Kinesiology. *University of Massachusetts.*

Spt-Dec 2018. KIN 100 Introduction to Kinesiology. *University of Massachusetts.*

Advising and mentoring:

Spt 2017 - present. Nick Remillard Commonwealth Honors College Capstone Thesis. *University of Massachusetts.*

Other teaching experience:

Aug 2018. Kinesiology R Programming Workshop. *University of Massachusetts.*

PROFESSIONAL SERVICE

Manuscript reviewer:

Journal for the Measurement of Physical Behaviour.

Measurement in Physical Education and Exercise Science.

Other service to profession:

Jan 2018- present. Social Media Chairperson. *International Society for the Measurement of Physical Behaviour.*

Aug 2017 - Dec 2017. Peer Mentor- Alec Shostek. *New England Chapter of the American College of Sports Medicine.*

UNIVERSITY SERVICE

Spt 2018 - present. Committee member- Life sciences graduate research council. *University of Massachusetts.*

May 2018 - present. Committee member- Kinesiology Graduate Student Organization. *University of Massachusetts.*

PROFESSIONAL AFFILIATIONS

Spt 2018 - present. *New England Statistics Society.*

Spt 2018 - present. *Boston Chapter of the American Statistical Association.*

Spt 2018 - present. *American Statistical Association.*

Mar 2018 - present. *American Association for the Advancement of Science.*

Jun 2017 - present. *International Society for the Measurement of Physical Behavior.*

Spt 2013 - present. *New England Chapter of the American College of Sports Medicine.*

Spt 2013 - present. *American College of Sports Medicine.*