

# Ryan D. Burns, Ph.D., R.F.S.A.

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## I. EDUCATION

### **University of Utah, Salt Lake City, UT.**

Doctor of Philosophy (Ph.D.)

Major: Exercise and Sport Science

Cognate: Biostatistics

Dissertation: Development and cross-validation of aerobic capacity prediction models in adolescents.

*December 2014*

### **University of Utah, Salt Lake City, UT.**

Post-Doctoral Research Fellow

Concentration: Public Health

*June 2017*

### **University of Texas Arlington, Arlington, TX.**

Master of Science (M.S.)

Major: Exercise Physiology

Project: VO<sub>2</sub> kinetics during sub-maximal cycling in type I diabetic patients.

*May 2008*

### **University of Pittsburgh, Pittsburgh, PA.**

Bachelor of Science (B.S.)

Major: Neuroscience

Minor: Chemistry

*August 2005*

## II. PROFESSIONAL EXPERIENCE

### **11.) University of Utah, Department of Health and Kinesiology**

**Salt Lake City, UT.**

July 2018 - present

Assistant Professor, Tenure-Track

### **10.) University of Utah, Department of Health, Kinesiology, and Recreation, Salt Lake City, UT.**

August 2017 – June 2018

Associate Instructor

**9.) University of Utah, College of Health, Salt Lake City, UT.**

December 2014 – August 2017

Post-Doctoral Research Fellow

**8.) University of Utah, Department of Exercise and Sport Science, Salt Lake City, UT.**

August 2013 – December 2014

Graduate Research Fellow

**7.) University of Utah, Department of Exercise and Sport Science, Salt Lake City, UT.**

August 2012 – August 2013

Graduate Teaching/Research Assistant

**6.) University of Utah, Department of Family and Consumer Studies, Salt Lake City, UT.**

June 2012 – August 2012

Research Assistant

**5.) University of Utah, Department of Exercise and Sport Science, Salt Lake City, UT.**

August 2011 – June 2012

Physical Education Specialist

**4.) University of Utah, Department of Exercise and Sport Science, Salt Lake City, UT.**

August 2010 – June 2011

Graduate Research Assistant

**3.) Hill AFB Health and Wellness Center, Hill Air Force Base, UT.**

October 2008 - October 2009

Exercise Physiologist

**2.) University of Texas Arlington, Department of Kinesiology, Arlington, TX.**

August 2006 – May 2008

Graduate Teaching Assistant

**1.) University of Pittsburgh Medical Center, Pittsburgh, PA.**

September 2005 – February 2006

Systems Analyst Intern

### III. HIGHER EDUCATION TEACHING

#### **University of Utah**

KINES 7830 Journal Readings (Graduate Seminar)  
KINES 7120 Physical Activity Interventions (Graduate Lecture)  
KINES 7104 Design and Analysis II (Graduate Lecture/Lab, Online)  
KINES 7103 Design and Analysis I (Graduate Lecture/Lab)  
KINES 7102 Introduction to Research Methods (Graduate Lecture)  
KINES 4465 Exercise Programming (Undergraduate Lecture)  
KINES 3551 Applied Movement Development Across the Lifespan  
(Undergraduate Lecture)

#### **University of Texas Arlington**

KINE 3315 Physiology of Exercise (Undergraduate Lab)  
KINE 1400 Introduction to Exercise Science (Undergraduate Lab)  
EXSA 0154 Walking and Jogging for Fitness (Undergraduate Activity)

### IV. PROFESSIONAL MEMBERSHIPS and CERTIFICATIONS

#### **Memberships**

American Public Health Association (APHA)  
American College of Sports Medicine (ACSM)  
North American Society for Pediatric Exercise Medicine (NASPEM)  
Society of Health and Physical Educators (SHAPE America)  
Golden Key International Honour Society

#### **Certifications**

NASPE Physical Best Specialist  
American Red Cross CPR/AED for Adult and Child  
Standard First Aid

### V. AWARDS

Elsevier, *Journal of Sport and Health Science*, **2020 Outstanding Reviewer Award**, Fall 2020

Elsevier, *Journal of Sport and Health Science*, **2019 Outstanding Reviewer Award**, Fall 2019

SHAPE America, **Research Fellow of SHAPE America (R.F.S.A.)**, Spring 2019

SHAPE America, *Research Quarterly for Exercise and Sport*, **Writing Award**, Spring 2019

SHAPE America, *Measurement in Physical Education and Exercise Science*, **2018 Manuscript Reviewer of the Year**, Spring 2019

BioMed Central, *BMC Public Health*, **Associate Editor Acknowledgement, Highest Number of Manuscripts Handled**, 2018

SHAPE America, **CSPAP Research SIG Innovative Paper Award 2017**, Spring 2018.

International Chinese Society for Physical Activities and Health Symposium, **Research Poster Award**, Spring 2018

SHAPE America, **CSPAP Research SIG Innovative Paper Award 2016**, Spring 2017.

University of Utah, **Postdoc Travel Assistance Award**, Spring 2017.

American Kinesiology Association, **Doctoral Scholar Award**, Spring 2014.

University of Utah, Department of Exercise and Sport Science, **Sport Pedagogy Graduate Student of the Year**, Spring 2014.

University of Utah Graduate School, **University Graduate Research Fellowship Award**, Fall 2013-Spring 2014.

University of Utah, Department of Exercise and Sport Science, **Neilson Scholarship**, Spring 2013.

University of Utah Graduate School, **Graduate Student Travel Award**, Spring 2013.

University of Pittsburgh, **Dean's List**, 2003.

University of Pittsburgh, **Dean's List**, 2002.

## VI. FUNDING

**Funded**

**Co-I.**, 2019-2020 University of Utah College of Health Pilot Grant. Technology-enhanced Eating and Activity study for Children's Health (TEACH): A Pilot Study. **FUNDED** – Spring 2020, \$22,500.00 total direct costs.

**P.I.**, 2018-2019 University of Utah College of Health Pilot Grant. Developing an after-school parent-child physical activity and mindfulness training intervention. **FUNDED**-Spring 2019, \$17,125.00 total direct costs.

**Study Coordinator**, U.S. Department of Education, Carol White PEP Grant. **FUNDED**-Fall 2014, \$1,500,000.00 total direct costs.

**Study Coordinator**, Division of Juvenile Justice, Program Evaluation of the Sports, Play, and Active Recreation for Kids (SPARK) program in the Juvenile Justice System. **FUNDED**-Fall 2014, \$90,000.00 total direct costs.

**P.I.**, Professional Development Fund, Department of Exercise and Sport Science, University of Utah. **FUNDED**-Summer 2014, \$1,000.00 total direct costs.

**P.I.**, Cooper Institute, Development and cross-validation of an alternative aerobic-capacity prediction model for adolescent youth. **FUNDED**-Fall 2012, \$12,758.00 total direct costs.

**P.I.**, Marriot Library Open Access Publishing Fund, Indices of abdominal adiposity and cardio-respiratory fitness in middle-school students. **FUNDED**-Fall 2012, \$1,200.00 total direct costs.

**Research Assistant**, Cooper Institute, Evaluation of the FITNESSGRAM Trunk Extension. **FUNDED**-Fall 2010, \$12,000.00 total direct costs.

**Not Funded**

**Co-I.**, NIH R03 PAR-19-276. Implementation barriers and facilitators of the NFL PLAY 60 FitnessGram Partnership Project. **RESUBMIT**- Fall 2020, \$100,000.00 total direct costs (Impact Score = 49, Percentile = 48%).

**Co-I.**, NIH R03 PAR-19-276. Implementation barriers and facilitators of the NFL PLAY 60 FitnessGram Partnership Project. Fall 2019, \$100,000.00 total direct costs (Impact Score = 34, Percentile = 29%).

**P.I.**, NIH R01 RFA-NR-20-001. Testing the effect of Comprehensive School Physical Activity Programming and Active Gaming in rural Utah schools. Fall 2019, \$1,250,000.00 total direct costs (Impact Score = 65).

**P.I.**, NIH R21 PA-18-857. Development of SOGAME: System for Observing Gaming Active Movement and Exercise. Fall 2019, \$275,000.00 total direct costs (Impact Score = 64).

**Co-I.**, NIH R21 PA-18-354. Technology-based, real time monitoring-mediated intervention to increase physical activity in childcare centers. Fall 2019, \$275,000.00 total direct costs.

**P.I.**, NIH R21 PA-18-354. Developing a multicomponent physical activity program with family engagement in low-income schools. Summer 2019, \$275,000.00 total direct costs.

**Subaward**, NIH R15 PA-18-343. Effects of active video gaming on sedentary behavior, physical activity and motivation in low-income children. IN REVIEW-Summer 2019, \$300,000.00 total direct costs (\$55,088.82 subaward).

**Subaward**, NIH R21 PA-18-482. Feasibility of a classroom active video game curriculum within low-income elementary schools. Spring 2019, \$275,000.00 total direct costs (\$68,625 subaward).

**P.I.**, NIH R03 PA-18-481. Relationships among psychosocial variables, sedentary times, and physical activity within low-income parent-adolescent dyads. Spring 2019, \$100,000.00 total direct costs.

**P.I.**, NIH R21 PAR-18-307. Developing Interventions for Health Enhancing Physical Activity. Effect of an after-school parent-child physical activity and mindfulness training intervention on health behavior outcomes: A pilot study. Fall 2018, \$275,000.00 total direct costs.

**P.I.**, Larry H. Miller Driving Out Diabetes Initiative. Effect of an After-School Parent-Child Physical Activity and Dietary Education Intervention on Health-Related Outcomes: A Pilot Study. Fall 2018, \$44,359.00 total direct costs.

**Co-I.**, SHAPE America Early Investigator Grant. Effects of Virtual Reality on Children's Motivation and Physical Activity. Spring 2017, \$5,000.00 total direct costs.

**P.I.**, ACSM Paffenbarger-Blair Fund for Epidemiological Research on Physical Activity. Comprehensive School Physical Activity and Cardio-metabolic Risk in Low-Income Hispanic Children. Spring 2016, \$10,000.00 total direct costs.

## VII. PUBLISHED MANUSCRIPTS (\* Corresponding Author)

**2021 (ongoing)**

- 117.) Pfladderer, C. D.\* , **Burns, R. D.**, Byun, W., Carson, R. L., Welk, G. J., & Brusseau, T. A. (2021). School-based physical activity interventions in rural and urban/suburban communities: A systematic review and meta-analysis. *Obesity Reviews* (ACCEPTED, IN PRESS).
- 116.) Reuter, C. P., Brand, C. \* , Silveira, J. F. C., Borba Schneiders, L., Renner, L., Borfe, L., & **Burns, R. D.** (2021). Reciprocal longitudinal relationship between fitness, fatness, and metabolic syndrome in Brazilian children and adolescents: A 3-year longitudinal study. *Pediatric Exercise Science*, *33*, 74-81. doi:10.1123/pes.2020-0197
- 115.) Todendi, P. F., Brand, C. \* , de Castro Silveira, J. F., Gaya, A. R., Agostinos-Sobrinho, C., Fiegenbaum, M., **Burns, R. D.**, de Moura Valim, A. R., & Reuter, C. P.\* (2021). Physical fitness attenuates the genetic predisposition to obesity in children and adolescents. *Scandinavian Journal of Medicine & Science in Sports*, *31*, 894-902. doi:10.1111/sms.13899
- 114.) **Burns, R. D.\***, Brusseau, T. A., Bai, Y., & Byun, W. (2021). Segmented school physical activity and weight status in children: application of compositional data analysis. *International Journal of Environmental Research and Public Health*, *18*, 3243. doi:10.3390/ijerph18063243
- 113.) Kwon, S., Wan , N., **Burns, R. D.**, Brusseau, T. A., Kim, Y., Kumar, S., ..., & Byun, W.\* (2021). The validity of MotionSense HRV in estimating sedentary behavior and physical activity under free-living and simulated activity settings. *Sensors*, *21*, 1411. doi:10.3390/s21041411
- 112.) Kwon, S.\* , **Burns, R. D.**, Kim, Y., Bai, Y., & Byun, W. (2021). Inter-device agreement between Fitbit Flex 1 and 2 for assessing sedentary behavior and physical activity. *International Journal of Environmental Research and Public Health*, *18*, 2716. doi:10.3390/ijerph18052716
- 111.) **Burns, R. D.\***, Pfladderer, C. D., & Fu, Y. (2021). The neighbourhood social environment correlates with meeting 24-hour movement behaviour recommendations in females: A cross-sectional study using the 2019 National Survey of Children's Health. *Applied Physiology, Nutrition, and Metabolism*, *46*, 408-411. doi:10.1139/apnm-2021-0045.
- 110.) Pfladderer, C. D.\* , **Burns, R. D.**, Byun, W., Carson, R. L., Welk, G. J., & Brusseau, T. A. (2021). Parent and child perceptions of barriers to active school commuting. *Journal of School Health* (ACCEPTED, IN PRESS).

- 109.) Zhang, P. \*, **Burns, R. D.**, Fu, Y, Godin, S., Li, Z., & Zhang, X. (2021). Efficacy of a 4-Week smartphone application intervention on college students' BMI, physical activity, and motivation. *International Journal of Kinesiology in Higher Education*. doi:10.1080/24711616.2020.1866467
- 108.) Kim., Y. \*, **Burns, R. D.**, Lee, D. C., & Welk, G. J. (2021). Associations of movement behaviors and body mass index: Comparison between a report-based and monitor-based method using compositional data analysis. *International Journal of Obesity*, 45, 266-275. doi:10.1038/s41366-020-0638-z
- 107.) Podlog, L. \*, **Burns, R. D.**, Dimmock, J. A., Jackson, B., Hall, M. S., & Fritz, J. M. (2021). Does motivation mediate the relationship between competence perceptions and patient outcomes among individuals with chronic low back pain? A multiple mediation analysis. *Disability and Rehabilitation*, 43, 953-959. doi:10.1080/09638288.2019.1643421
- 106.) Fu, Y. \*, **Burns, R. D.**, Brusseau, T. A., Zheng, P., & Constantino, N. (2021). Influence of segmented weekday and weekend step counts on weight status in children. *Journal of Sports Sciences*, 39, 808-814. doi:10.1080/02640414.2020.1847489
- 105.) Chase, B. \*, Brusseau, T. A., **Burns, R. D.**, Hannon, J. C., Henderson, H., & Kehoe, B. (2021). Association between health-related fitness, perceived stress, and metabolic syndrome in a sample of law enforcement officers. *Policing: An International Journal*. doi:10.1108/PIJPSM-04-2020-0058

## 2020

- 104.) Strehli, I., **Burns, R. D.**, Bai, Y., Ziegenfuss, D. E., Block, M., & Brusseau, T. A.\* (2020). Mind-Body physical activity interventions and stress-related physiological markers in educational settings: A systematic review and meta-analysis. *International Journal of Environmental Research and Public Health*, 18, 224. doi:10.3390/ijerph18010224
- 103.) **Burns, R. D.\***, Bai, Y., & Brusseau, T. A. (2020). Physical activity and sports participation associates with cognitive functioning and academic progression: an analysis using the combined 2017-2018 National Survey of Children's Health. *Journal of Physical Activity and Health*, 17, 1197-1204. doi:10.1123/jpah.2020-0148
- 102.) **Burns, R. D.\***, Bai, Y., Pfladderer, C. D., Brusseau, T. A., & Byun, W. (2020). Movement behaviors and perceived loneliness and sadness in Alaskan adolescents. *International Journal of Environmental Research and Public Health*, 17, 6866. doi:10.3390/ijerph17186866
- 101.) Fu, Y. \*, **Burns, R. D.**, Hsu, Y. J., & Zhang, P. (2020). Motivation, segmented physical activity, sedentary behavior, and weight status in adolescents:



A path analysis. *Research Quarterly for Exercise and Sport*.  
doi:10.1080/02701367.2020.1804520

100.) Putnam, T. C. \*, Newton, M., Brusseau, T. A., **Burns, R. D.**, Ziegenfuss, D., & Franklin, J. (2020). The preservice teacher competency performance scale: A standards-based assessment scale to track teacher competency during a PETE preparation program. *Journal of Physical Education, Recreation and Dance* (ACCEPTED, IN PRESS).

99.) **Burns, R. D.** \*, Colotti, T. E., Pfladderer, C. D., Fu, Y., Bai, Y., & Byun, W. (2020). Familial factors associating with youth physical activity using a national sample. *Children*, 7, 79. doi:10.3390/children7070079

98.) **Burns, R. D.** \*, Bai, Y., Byun, W., Colotti, T. E., Pfladderer, C. D., Kwon, S., & Brusseau, T. A. (2020). Bidirectional relationships of physical activity and gross motor skills before and after summer break: Application of a cross-lagged panel model. *Journal of Sport and Health Science*. doi:10.1016/j.jshs.2020.07.001

97.) Mattson, R. E., **Burns, R. D.** \*, Brusseau, T. A., Metos, J. M., & Jordan, K. C. (2020). School physical activity programming and health behavior knowledge. *Frontiers in Public Health*, 8, 321. doi:10.3389/fpubh.2020.00321

96.) **Burns, R. D.** \* (2020). Public health implications of the dose-response association between physical activity and cardiometabolic health in young adults. *Journal of Adolescent Health*, 67, P155-P156.  
doi:10.1016/j.jadohealth.2020.05.008

95.) Nam, K. \*, Ringenbach, S., Brusseau, T. A., **Burns, R. D.**, Braden, B., Lee, C-D., & Henderson, H. (2020). Immediate reinforcement increased duration of time riding the stationary bicycle in children with autism spectrum disorder: A pilot study. *International Journal of Developmental Disabilities*.  
doi:10.1080/20473869.2020.1783480

94.) D'Astous, E., Podlog, L., **Burns, R. D.**, Newton, M., & Fawver, B. \* (2020). Perceived competence, achievement goals, and return-to-sport outcomes: A mediation analysis. *International Journal of Environmental Research and Public Health*, 17, 2980. doi:10.3390/ijerph17092980

93.) Podlog, L. \*, Heil, J., **Burns, R. D.**, Fawver, B., Iriye, T., Bergeson, S., & Williams, A. M. (2020). A cognitive behavioral intervention for collegiate athletes with injuries. *The Sport Psychologist*. doi:10.1123/tsp.2019-0112

92.) **Burns, R. D.** \* (2020). Analyzing associations of lifestyle behaviors and health-related variables using quantile regression. *SAGE Research Methods Cases: Medicine and Health*. doi:10.4135/9781529740899

- 91.) **Burns, R. D.\***, Brusseau, T. A., Pfladderer, C. D., & Fu, Y. (2020). Sports participation correlates with academic achievement: Results from a large adolescent sample within the 2017 US National Youth Risk Behavior Survey. *Perceptual and Motor Skills*, *127*, 448-467. doi:10.1177/0031512519900055
- 90.) **Burns, R. D.\***, Bai, Y., Fu, Y., & Brusseau, T. A. (2020). Associations of adolescent lifestyle behaviors with body mass index within a nationally representative sample of US adolescents: A quantile regression analysis. *Public Health*, *179*, 51-58.
- 89.) Wahl-Alexander, Z.\* , Brusseau, T. A., & **Burns, R. D.** (2020). Changes in daily step counts and health-related fitness in boys after a residential summer camp. *SCHOLE: A Journal of Leisure Studies and Recreation Education*. doi:10.1080/1937156X.2020.1718039
- 88.) Greviskes, L. E.\* , Podlog, L., **Burns, R. D.**, Jackson, B., Dimmock, J., Newton, M., & Pillow, W. (2020). Caring rehabilitation climate, the tripartite efficacy framework, and adherence to rehabilitation programs among individuals with Parkinson's disease: A multiple mediation analysis. *Journal of Geriatric Physical Therapy*, *43*, E16-E24. doi:10.1519/JPT.0000000000000211

## **2019**

- 87.) **Burns, R. D.\***, Pfladderer, C., & Fu, Y. (2020). Adolescent health behaviors and difficulty concentrating, remembering, and making decisions. *American Journal of Lifestyle Medicine*. doi:10.1177/1559827619860067
- 86.) **Burns, R. D.\***, Bai, Y., Fu, Y., Pfladderer, C. D., & Brusseau, T. A. (2019). Parent engagement and support, physical activity, and academic performance (PESPAAP): A proposed theoretical model. *International Journal of Environmental Research and Public Health*, *16*, 4698. doi:10.3390/ijerph16234698
- 85.) Phillips D. S., Hannon, J. C., Gregory, B. B., & **Burns, R. D.\*** (2019). Effect of vigorous physical activity on executive control in middle school students. *International Journal of Environmental Research and Public Health*, *16*, 3949. doi:10.3390/ijerph16203949
- 84.) Zhang, P., **Burns, R. D.\***, Fu, Y., Godin, S., & Byun, W. (2019). Agreement among the Apple Watch Series 1, LifeTrak Core C200, and Fitbit Charge HR for assessing treadmill exercise energy expenditure. *International Journal of Environmental Research and Public Health*, *16*, 3812. doi:10.3390/ijerph16203812

- 83.) **Burns, R. D.\***, Byun, W., & Brusseau, T. A. (2019). Gross motor skills predict classroom behavior in lower income children. *Frontiers in Sports and Active Living*, *1*, 29. doi:10.3389/fspor.2019.00029
- 82.) **Burns, R. D.\*** (2019). Energy balance-related factors associating with adolescent weight loss intent: Evidence from the 2017 National Youth Risk Behavior Survey. *BMC Public Health*, *19*, 1206. doi:10.1186/s12889-019-7565-8
- 81.) Wahl-Alexander, Z.\* , Brusseau, T. A., & **Burns, R. D.** (2019). Physical activity levels and changes in health-related fitness in residential summer camp counselors. *Journal of Park and Recreation Administration*, *37*, 110-123. doi:10.18666/JPra-2019-9702
- 80.) Fu, Y.\* , **Burns, R. D.**, Gomes, E., Savignac, A., & Constantino, N. (2019). Trends in sedentary behavior, physical activity, and motivation during a classroom-based Active Video Game program. *International Journal of Environmental Research and Public Health*, *16*, 2821. doi:10.3390/ijerph16162821
- 79.) Fu, Y.\* , **Burns, R. D.**, Gomes, E., Hsu, Y., & Gao, Z. (2019). Young children's school day sedentary behavior and physical activity in interactive versus non-interactive active video game. *Journal of Teaching, Research, and Media in Kinesiology*, *5*, 41-44.
- 78.) Brusseau, T. A.\* , **Burns, R. D.**, Fu, Y., & Weaver, G. R. (2019). Impact of year-round and traditional school schedules on summer weight gain and fitness loss. *Childhood Obesity*, *15*, 532-540. doi:10.1089/chi.2019.0070
- 77.) **Burns, R. D.\*** (2019). Enjoyment, self-efficacy, and physical activity within parent-adolescent dyads: Application of the Actor-Partner Interdependence Model. *Preventive Medicine*, *126*, 105756. doi:10.1016/j.ypmed.2019.105756
- 76.) **Burns, R. D.\***, Kim, Y., Byun, W., & Brusseau, T. A. (2019). Associations of school day sedentary behavior and physical activity with gross motor skills: Use of compositional data analysis. *Journal of Physical Activity and Health*, *16*, 811-817. doi:10.1123/jpah.2018-0549
- 75.) Fu, Y.\* , **Burns, R. D.**, Constantino, N., Fitzsimmons, J., & Zhang, P. (2019). Effect of the resistance exercise on elementary school students' physical fitness. *Journal of Science in Sport and Exercise*. doi:10.1007/s42978-019-0022-7
- 74.) Yi, X.\* , Fu, Y., **Burns, R. D.**, & Ding, M. (2019). Weight status, physical fitness, and health-related quality of life among Chinese adolescents: A cross-sectional study. *International Journal of Environmental Research and Public Health*, *16*, 2271. doi:10.2290/ijerph16132271

- 73.) **Burns, R. D.\***, Li, L., & Brusseau, T. A. (2019). Cardiorespiratory endurance and mathematics performance: A mediation analysis. *International Journal of Kinesiology in Higher Education*, 3, 117-127.  
doi:10.1080/24711616.2019.1633709
- 72.) Pfladderer, C. D.\* , **Burns, R. D.**, & Brusseau, T. A. (2019). School environment, physical activity, and sleep as predictors of suicidal ideation in adolescents: Evidence from a national survey. *Journal of Adolescence*, 74, 83-90.
- 71.) **Burns, R. D.\***, Pfladderer, C. D., & Brusseau, T. A. (2019). Active transport, not device use, associates with self-reported school week physical activity in adolescents. *Behavioral Sciences*, 9, 32. doi:10.3390/bs9030032
- 70.) **Burns, R. D.\***, Fu, Y., & Constantino, N. (2019). Measurement agreement in percent body fat estimates among lab and field assessments in college students: Use of equivalence testing. *PLOS One*, 13, e0214029.  
doi:10.1371/journal.pone.0214029
- 69.) Phillips, D. S.\* , Gregory, B., Hart, J. L., Arville, P., Dilworth, Q., & **Burns, R. D.** (2019). Effect of acute vigorous physical activity on cognitive control in college-aged students. *International Journal of Kinesiology in Higher Education*, 3, 106-117. doi:10.1080/24711616.2019.1633708
- 68.) **Burns, R. D.\***, Fu, Y, & Zhang, P. (2019). Resistance training and insulin sensitivity in youth: A meta-analysis. *American Journal of Health Behavior*, 43, 228-242.
- 67.) Pfladderer, C.\* , **Burns, R. D.**, & Brusseau, T. A. (2019). Association between access to electronic devices in the home environment and cardiorespiratory fitness in children. *Children*, 6, 8. doi:10.3390/children6010008.
- 66.) Fu, Y.\* , **Burns, R. D.**, Clements-Nolle, K., & Yang, W. (2019). Associations between selected dietary behaviors and physical activity in adolescents. *Health Behavior and Policy Review*, 6, 79-87.
- 65.) Yi, X., Fu, Y., **Burns, R. D.\***, Bai, Y., & Zhang, P. (2019). Body mass index and physical fitness among Chinese adolescents from Shandong Province: A cross-sectional study. *BMC Public Health*, 19, 81.  
doi:10.1186/s128889-019-6420-2
- 64.) England, A.\* , Brusseau, T., **Burns, R. D.**, Koester, D., Newton, M., Thiese, M., & Chase, B. (2019). The cognitive structure of the basketball free throw in adolescent physical education students. *Motor Control*, 23, 472-484.  
doi:10.1123/mc.2018-0035

- 63.) McKown, H. B. \*, Brusseau, T. A., **Burns, R. D.**, & Galli, N. (2019). The effect of physical education teacher appearance on student physical activity. *The Physical Educator*, 76, 524-546.
- 62.) Kirkham-King, M. \*, Brusseau, T. A., **Burns, R. D.**, Castelli, D. M., Hilton, K., & Hannon, J. C. (2019). Effects goal setting has on children's cardiorespiratory fitness levels and enjoyment. *International Journal of Physical Education*.
- 61.) Brusseau, T. A., **Burns, R. D.** \*, & Hannon, J. C. (2019). Trends in sedentary and physical activity behaviors in incarcerated adolescent boys during a Sports, Play, and Recreation for Kids program. *American Journal of Health Promotion*, 33, 760-763. doi:10.1177/0890117118812666.

## **2018**

- 60.) Brusseau, T. A. \*, & **Burns, R. D.** (2018). Weight gain and cardiovascular fitness loss over the summer during a three-year school-based physical activity intervention. *International Journal of Environmental Research and Public Health*, 15, 2770. doi:10.3390/ijerph15122770
- 59.) Brusseau, T. A. \*, & **Burns, R. D.** (2018). Physical activity, health-related fitness, and classroom behavior in children: A discriminant function analysis. *Research Quarterly for Exercise and Sport*, 89, 411-417. doi:10.1080/02701367.2018.1519521
- 58.) **Burns, R. D.** \*, Fu, Y., Brusseau, T. A., Clements-Nolle, K., & Yang, W. (2018). Relationships among physical activity, sleep duration, diet, and academic achievement in a sample of adolescents. *Preventive Medicine Reports*, 12, 71-74.
- 57.) **Burns, R. D.** \*, & Fu, Y. (2018; *Invited Manuscript*). Testing the motor competence and health-related variable conceptual model: A path analysis. *Journal of Functional Morphology and Kinesiology*, 3, 61. doi:10.3390/jfmk3040061
- 56.) **Burns, R. D.** \*, Brusseau, T. A., & Fu, Y. (2018; *Invited Manuscript*). Moderators of school-based physical activity interventions on cardiorespiratory endurance in primary school-aged children: A meta-regression. *International Journal of Environmental Research and Public Health*, 15, 1764. doi:10.3390/ijerph15081764
- 55.) Brusseau, T. A. \*, & **Burns, R. D.** (2018). The Physical Activity Leader and Comprehensive School Physical Activity Program effectiveness. *Biomedical Human Kinetics*, 10, 127-133.

- 54.) Brusseau, T. A. \*, **Burns, R. D.**, & Hannon, J. C. (2018). Physical activity and health-related fitness of adolescents within the Juvenile Justice System. *BioMed Research International*. doi:10.1155/2018/9710714
- 53.) Zhang, P. \*, Fu, Y., **Burns, R. D.**, & Godin, S. (2018). Effect of efitbuddy on promoting physical activity and motivation in college students. *Journal of Human Sport and Exercise*. doi:10.14198/jhse.2018.134.08
- 52.) Fu, Y. \*, **Burns, R. D.**, Constantino, N., & Zhang, P. (2018). Differences in step counts, motor competence, and enjoyment between an exergaming group and a non-exergaming group. *Games for Health Journal*, 7, 335-340.
- 51.) Fu, Y. \*, & **Burns, R. D.** (2018). Demographic characteristics related to motor skills in children aged 5-7 years old. *International Journal of Kinesiology and Exercise Science*, 6, 15-21.
- 50.) **Burns, R. D.** \*, Brusseau, T. A., Fu, Y., & Zhang, P. (2018). Development of step count cut-points for school day vigorous physical activity. *BioMed Research International*. doi:10.1155/2018/9717848
- 49.) Fu, Y., & **Burns, R. D.** \* (2018). Effect of an active video gaming classroom curriculum on health-related fitness, school day step counts, and motivation in sixth graders. *Journal of Physical Activity and Health*, 15, 644-650. doi:10.1123/jpah.2017-0481
- 48.) Fu, Y., & **Burns, R. D.** \* (2018). Gross motor skills and school day physical activity: Mediating effect of perceived competence. *Journal of Motor Learning and Development*, 6, 287-300. doi:10.1123/jmld.2017-0043
- 47.) Goodrum, S. Brusseau, T. A., Shaw, J. M., & **Burns, R. D.** \* (2018). Relationship between after-school physical activity and dietary habits with cardio-metabolic risk in low-income children. *Journal of Physical Activity Research*, 3, 28-34.
- 46.) Brusseau, T. A., Hannon, J. C., Fu, Y., Fang, Y., Nam, K., Goodrum, S., & **Burns, R. D.** \* (2018). Trends in physical activity, health-related fitness, and gross motor skills in children during a two-year comprehensive school physical activity program. *Journal of Science and Medicine in Sport*, 21, 828-832.
- 45.) Greviskes, L. E. \*, Podlog, L., Newton, M. Dibble, L., **Burns, R. D.**, Pillow, W., Hall, M. S., & Hammer, C. (2018). Caring interactions in secondary prevention programs: A qualitative inquiry of individuals with Parkinson's disease. *Journal of Geriatric Physical Therapy*. doi:10.1519/JPT.0000000000000151

- 44.) **Burns, R. D.**\*, Fu, Y., & Podlog, L. W. (2017). School-based physical activity interventions and physical activity enjoyment: A meta-analysis. *Preventive Medicine, 103*, 84-90. doi:10.1016/j.ypmed.2017.08.011
- 43.) **Burns, R. D.**\*, Fu, Y., Brusseau, T. A., & Constantino, N. (2017). A cluster analysis and validation of health-related fitness tests in college students. *Journal of Physical Activity Research, 2*, 73-79.
- 42.) Christensen, J. C.\* , Miller, C. J., **Burns, R. D.**, & West, H. S. (2017). Effect of physical therapy visits on clinical outcomes following anterior cruciate ligament reconstruction with and without concurrent meniscal repair. *Journal of Sport Rehabilitation*. doi:10.1123/jsr.2017-0088
- 41.) Kirkham-King, M.\* , Brusseau, T. A., Hannon, J. C., Castelli, D. M., Hilton, K., & **Burns, R. D.** (2017). Elementary physical education: A focus on fitness activities and smaller class sizes are associated with higher levels of physical activity. *Preventive Medicine Reports, 8*, 135-139.
- 40.) **Burns, R. D.**\*, Fu, Y., Hannon, J. C., & Brusseau, T. A. (2017). School physical activity programming and gross motor skills in children. *American Journal of Health Behavior, 41*, 591-598. doi:10.5993/AJHB.41.5.8
- 39.) **Burns, R. D.**\*, Fu, Y., Fang, Y., Hannon, J. C., & Brusseau, T. A. (2017). Effect of a 12-week physical activity program on gross motor skills in children. *Perceptual and Motor Skills*. doi:10.1177/0031512517720566
- 38.) Fu, Y.\* , **Burns R. D.**, Yang, W. Brusseau, T. A., & Hannon, J. C. (2017). Effects of a health-related physical fitness intervention on middle school students' academic learning time during physical education. *Journal of Public Health and Emergency*. doi:10.21037/jphe.2017.07.02
- 37.) Miller, C. J.\* , Christensen, J. C., & **Burns, R. D.** (2017). Influence of demographics and utilization of physical therapy services on clinical outcomes and revision rates following Anterior Cruciate Ligament reconstruction. *Journal of Orthopaedic and Sports Physical Therapy, 47*, 834-844.
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- 35.) **Burns, R. D.**\*, Brusseau, T. A., & Hannon, J. C. (2017). Effect of Comprehensive School Physical Activity Programming on cardio-metabolic health markers in children from low-income schools. *Journal of Physical Activity and Health, 14*, 671-676.

- 34.) Maxwell, J., **Burns, R. D.**, & Brusseau, T. A.\* (2017). Effects of the Personal Fitness Merit Badge on cardio-metabolic risk, health-related fitness, and physical activity in adolescent boys. *International Journal of Exercise Science*, *10*, 964-976.
- 33.) Fu, Y.\* , Brusseau, T. A., Hannon, J. C., & **Burns, R. D.** (2017). Effect of a 12-week summer break on school day physical activity and health-related fitness in low-income children from CSPAP schools. *Journal of Environmental and Public Health*. doi:10.1155/2017/9760817
- 32.) Kulinna, P. H.\* , Ramirez, E. R., Jahn, J. A., Cothran, D. J., **Burns, R. D.**, & Kloeppe, T. (2017). Predictors of Native American children's perceived status of health and physical shape. *Journal of Applied Biobehavioral Research*, *22*, e12089. doi:10.1111/jabr.12089
- 31.) **Burns, R. D.\***, Brusseau, T. A., Fu, Y., & Hannon, J. C. (2017). Gross motor skills and cardio-metabolic risk in children: A mediation analysis. *Medicine and Science in Sports and Exercise*, *49*, 746-751.
- 30.) **Burns, R. D.\***, & Brusseau, T. A. (2017). Muscular strength and endurance and cardio-metabolic health in disadvantaged Hispanic children from the U.S. *Preventive Medicine Reports*, *5*, 21-26.
- 29.) **Burns, R. D.\***, Brusseau, T. A., & Fu, Y. (2017). Influence of goal setting on physical activity and cardio-respiratory endurance in low-income children enrolled in CSPAP schools. *American Journal of Health Education*, *48*, 32-40.
- 28.) **Burns, R. D.\***, Brusseau, T. A., & Hannon, J. C. (2017). Multivariate associations among health-related fitness, physical activity, and TGMD-3 test items in disadvantaged children from low-income families. *Perceptual and Motor Skills*, *124*, 86-104.

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- 27.) **Burns, R. D.\***, Brusseau, T. A., Fang, Y., Fu, Y., & Hannon, J. C. (2016). Establishing Waist-to-Height Ratio standards from criterion-referenced BMI using ROC curves in low-income children. *Journal of Obesity*. doi:10.1155/2016/2740538
- 26.) Fu, Y., **Burns, R. D.\***, Brusseau, T. A., & Hannon, J. C. (2016). Comprehensive school physical activity programming and activity enjoyment. *American Journal of Health Behavior*, *40*, 496-502.
- 25.) **Burns, R. D.\***, Brusseau, T. A., Fang, Y., Fu, Y., & Hannon, J. C. (2016). Waist-to-Height Ratio, aerobic fitness, and cardio-metabolic risk in Hispanic children from low-income U.S. schools. *Pediatric Exercise Science*, *28*, 388-396.



- 24.) Brusseau, T. A., Hannon, J. C., & **Burns, R. D.**\* (2016). Effect of a Comprehensive School Physical Activity Program on physical activity and health-related fitness in children from low-income families. *Journal of Physical Activity and Health, 13*, 888–894.
- 23.) **Burns, R. D.**\*, Brusseau, T. A., Fu, Y., & Hannon, J. C. (2016). Establishing school day step count cut-points using ROC curves in low-income children. *Preventive Medicine, 12*, 117–122.
- 22.) Weaver, R. G.\* , Crimarco, A., Brusseau, T. A., Webster, C. A., **Burns, R. D.**, & Hannon, J. C. (2016). Accelerometry-derived physical activity of first through third grade children during the segmented school day. *Journal of School Health, 86*, 726–733.
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- 20.) Fu, Y.\* , Gao, Z., Hannon, J. C., Allen, B., **Burns, R. D.**, & Brusseau, T. A. (2016). Effect of the SPARK program on physical activity, cardiorespiratory endurance, and motivation in middle-school students. *Journal of Physical Activity and Health, 13*, 534–542.
- 19.) Fang, Y., **Burns, R. D.**\* , Hannon, J. C., & Brusseau, T. A. (2016). Factors influencing muscular strength and endurance in disadvantaged children from low-income families. *International Journal of Exercise Science, 9*, 306–317.
- 18.) Brusseau, T. A.\* , **Burns, R. D.**, & Hannon, J. C. (2016). The effect of body composition, physical activity, and aerobic fitness on the physical activity and fitness knowledge of at-risk inner city children. *Physical Educator, 73*, 745. doi:10.18666/TPE-2016-V73-I4-6570
- 17.) Smith, C., Hannon, J. C., Brusseau, T. A., Fu, Y., & **Burns, R. D.**\* (2016). Physical activity patterns during school leisure time in children. *International Journal of Kinesiology and Sports Sciences, 4*, 18–27.
- 16.) **Burns, R. D.**\* , Hannon, J. C., Brusseau, T. A., Eisenman, P. A., Shultz, B. B., Saint-Maurice, P. F., Welk, G. J., & Mahar, M. T. (2016). Development of an aerobic capacity prediction model in adolescents aged 13 to 16 years. *Journal of Sports Sciences, 34*, 18–26.
- 15.) Brusseau, T. A., **Burns, R. D.**\* , & Fu, Y. (2016). Contextual factors related to physical activity during daily middle-school physical education. *Journal of Science and Medicine in Sport, 19*, 733–737.

- 14.) **Burns, R. D.\***, Brusseau, T. A., & Hannon, J. C. (2015). Effect of a comprehensive school physical activity program on daily step counts in children. *Journal of Physical Activity and Health, 12*, 1536–1542.
  - 13.) Brusseau, T. A.\*, & **Burns, R. D.** (2015). Step count and MVPA compendium of middle school physical education activities. *Journal of Physical Education and Sport, 15*, 646–650.
  - 12.) **Burns, R. D.\***, Brusseau, T. A., & Hannon, J. C. (2015). Prediction of optimal daily step count achievement from segmented school physical activity. *Advances in Public Health*. doi:10.1155/2015/496248
  - 11.) **Burns, R. D.\***, Brusseau, T. A., Fang, Y., Myrer, R., Fu, Y., & Hannon, J. C. (2015). Predictors and trends of physical activity achievement in low-income children from the U.S. *Preventive Medicine Reports, 2*, 868–873.
  - 10.) **Burns, R. D.\***, Brusseau, T. A., & Hannon, J. C. (2015). Physical activity trajectories during daily middle school physical education. *Journal of Physical Activity and Health, 12*, 982–989.
  - 9.) Saint-Maurice, P. F.\*, Welk, G. J., **Burns, R. D.**, Plowman, S., Corbin, C. B., & Hannon, J. C. (2015). The criterion-referenced validity of the FITNESSGRAM trunk-extension test. *Journal of Sports Medicine and Physical Fitness, 55*, 1252–1263.
  - 8.) **Burns, R. D.\***, Brusseau, T. A., Fu, Y., & Hannon, J. C. (2015). Associations between health-related fitness and cardio-metabolic blood profiles in low-income children. *Open Journal of Preventive Medicine, 5*, 370–376.
  - 7.) **Burns, R. D.\***, Brusseau, T. A., Fu, Y., & Hannon, J. C. (2015). Predictors and trends of motor skill performance in at-risk elementary school-aged children. *Perceptual and Motor Skills, 121*, 284–299.
  - 6.) **Burns, R. D.\***, Hannon, J. C., Brusseau, T. A., Eisenman, P. A., Saint-Maurice, P. F., Welk, G. J., & Mahar, M. T. (2015). Cross-validation of aerobic capacity prediction models in adolescents. *Pediatric Exercise Science, 27*, 404–411.
- 2014**
- 5.) Allen, B., Hannon, J. C., **Burns, R. D.\***, & Williams, S. (2014). Effect of a core conditioning intervention on tests of trunk muscular endurance in school aged children. *Journal of Strength and Conditioning Research, 28*, 2063–2070.
  - 4.) **Burns, R. D.\***, Hannon J. C., Saint-Maurice, P. F., & Welk, G. J. (2014). Concurrent and criterion-referenced validity of trunk muscular fitness tests in school-aged children. *Advances in Physical Education, 4*, 41–50.

- 3.) **Burns, R. D.\***, Hannon, J. C., Allen, B., & Brusseau, T. A. (2014). Convergent validity of the One-mile run and PACER VO<sub>2</sub>MAX prediction models in middle school students. *SAGE Open*, 4, 1–8. doi:10.1177/2158244014525420
- 2013**
- 2.) **Burns, R. D.\***, Hannon, J. C., Brusseau, T. A., Shultz, B., & Eisenman, P. (2013). Indices of abdominal adiposity and cardio-respiratory fitness in middle-school students. *Journal of Obesity*. doi:10.1155/2013/912460
- 1.) **Burns, R. D.\***, Hannon, J. C., Allen, B., & Brusseau, T. A. (2013). Convergent validity of skinfold thickness and the hand-held bioelectrical impedance analyzer using current FITNESSGRAM standards. *International Journal of Sports Science*, 3, 193–197.

#### VIII. MANUSCRIPTS SUBMITTED

- 17.) Castro Silveira, J. F., Sehn, A. P., da Silva, L., Lima, R. A., **Burns, R. D.**, Andersen, L. B., Renner, J. D. P., & Reuter, C. P. (2021). The stability of cardiometabolic risk factor clustering in children and adolescents: a 2-year longitudinal study.
- 16.) **Burns, R. D.**, Fu, Y., Byun, W., & Mihalopoulos, N. L. (2021). Sexual identity-behavior discordance and meeting 24-hour movement behavior recommendations in adolescents: A cross-sectional analysis using the 2015-2019 Youth Risk Behavior Survey.
- 15.) Byun, W., Mihalopoulos, N. L., & **Burns, R. D.** (2021). Objectively measured physical activity and sedentary behavior in transgender youth.
- 14.) Pfladderer, C. D., **Burns, R. D.**, Byun, W., Carson, R. L., Welk, G. J., & Brusseau, T. A. (2021). Parent preferences for physical activity in before and after school programs in rural and suburban communities: A discrete choice experiment.
- 13.) Bai, Y., Ohayon, J., **Burns, R. D.**, Byun, W., Thompson, T., Newton, M. & Brusseau, T. A. (2021). Effect of virtual exercise classes to regulate sleep, mental well-being and physical activity during COVID-19.
- 12.) Bai, Y., **Burns, R. D.**, Gell, N., Byun, W., Tang, S., & Wetter, D. (2021). Fighting hypertension in the digital age – a lifestyle intervention to promote physical activity in adult pre-hypertensive and hypertensive patients.
- 11.) Silveira, J. F., Brand, C., Welser, L., Gaya, A., **Burns, R. D.**, Pfeiffer, K. Lima, R., Andersen, L. B., Reuter, C., & Pohl, H. (2021). The longitudinal association of cardiorespiratory fitness and adiposity with clustered cardiometabolic risk: A mediation analysis.

- 10.) Vargos, C. **Burns, R. D.**, & Williams, S. (2021). The effects of single-sex versus coeducational physical education on junior high physical activity levels and self-competence.
- 9.) **Burns, R. D.**, & Fu, Y. (2021). Diet modifies the association between adherence to 24-hour movement guidelines and academic achievement in adolescents: Application of latent class moderation.
- 8.) Pagano, K. M., **Burns, R. D.**, & Galli, N. (2021). The influence of social comparisons on body image in men: A scoping review.
- 7.) **Burns, R. D.**, & Fu, Y. (2021). Movement-based behaviors, academic achievement, and parental academic support in Alaskan youth.
- 6.) Bai, Y., **Burns, R. D.**, Copeland, W. E., Adams, Z, Lerner, M., Rettew, J., & Hudziak, J. (2021). Ecological momentary assessed physical activity and wellness behaviors in college students across a school year.
- 5.) Woodruff, K., Joy, E., **Burns, R. D.**, Summers, S. A., Metos, J. M., & Jordan, K. C. (2021). The effect of coordinated, multidisciplinary treatment for patients with anorexia nervosa on clinical outcomes.
- 4.) Li, L., Brusseau, T. A., & **Burns, R. D.** (2021). The relationship between physical activity and academic achievement in middle school students.
- 3.) Benson, C., Newton, M., **Burns, R. D.**, & Dorn, U. (2021). An exploration of the moderating effects of trauma between a caring climate and trust.
- 2.) Brusseau, T. A., Fu, Y., & **Burns, R. D.** (2021). Cognitive, lifestyle, and activity-related correlates of non-prescription steroid use among US adolescents.
- 1.) Pfladderer, C. D., Kwon, S., Strehli, I., & **Burns, R. D.** (2021). Effect of playground interventions on accelerometer-assessed physical activity in pediatric populations: A meta-analysis.

#### IX. PEER-REVIEWED NATIONAL CONFERENCE PRESENTATIONS

- 91.) Pfladderer, C. D., **Burns, R. D.**, Byun, W., Carson, R. L., Welk, G. J., & Brusseau, T. A. (2021). Parent preferences for physical activity in before and after school programs in rural and suburban communities: A discrete choice experiment. *APHA Annual Meeting*, Denver, CO. (IN REVIEW).
- 90.) Bai, Y., **Burns, R. D.**, Gell, N., Tang, S., & Wetter, D. (2021). Effect of a lifestyle intervention to promote physical activity in adult pre-hypertensive and hypertensive patients. *ACSM Annual Meeting*, Washington, DC (VIRTUAL).

- 89.) **Burns, R. D.**, Brusseau, T. A., Fu, Y., Bai, Y., & Byun, W. (2021). Segmented school physical activity and weight status in children: Application of compositional data analysis. *ACSM Annual Meeting*, Washington, DC. (VIRTUAL).
- 88.) Tobin, S., Halliday, T. M., **Burns, R. D.**, Qeadan, F., & Baron, K. G. (2021). Factors influencing physical activity during the COVID-19 pandemic in adults from Utah. *ACSM Annual Meeting*, Washington, DC. (VIRTUAL).
- 87.) Pfladderer, C. D., & **Burns, R. D.** (2021). The neighborhood environment in predicting 24-hour movement behaviors in youth. *ACSM Annual Meeting*, Washington, DC. (VIRTUAL).
- 86.) Ohayon, J., Thompson, T., Byun, W., **Burns, R. D.**, Brusseau, T. A., Newton, M., & Bai, Y. (2021). The effect of virtual fitness classes to regulate sleep, mental well-being and physical activity levels during COVID-19. *ACSM Annual Meeting*, Washington, DC. (VIRTUAL).
- 85.) Pfladderer, C. D., **Burns, R. D.**, Byun, W., Carson, R. L., Welk, G. J., & Brusseau, T. A. (2021). School-based physical activity interventions in rural and urban/suburban communities: A systematic review and meta-analysis. *SHAPE America Research Consortium*, Baltimore, MD (VIRTUAL).
- 84.) Strehli, I., **Burns, R. D.**, Bai, Y., Ziegenfuss, D. H., Block, M., & Brusseau, T. A. (2021). Mind-body physical activity interventions and stress-related physiological markers in educational settings: Systematic review and meta-analysis. *SHAPE America Research Consortium*, Baltimore, MD (VIRTUAL).
- 83.) **Burns, R. D.**, Colotti, T. E., Pfladderer, C. D., Fu, Y., Bai, Y., & Byun, W. (2021). Familial factors associating with physical activity in children and adolescents: An analysis using the combined 2017-2018 National Survey of Children's Health. *SHAPE America Research Consortium*, Baltimore, MD (VIRTUAL).
- 82.) **Burns, R. D.**, Pfladderer, C. D., Fu, Y., Colotti, T. E., Byun, W., Bai, Y., & Brusseau, T. A. (2021). Bidirectional relationships of physical activity and gross motor skills before and after summer break: Application of a cross-lagged panel model. *SHAPE America Research Consortium*, Baltimore, MD (VIRTUAL).
- 81.) Bai, Y., **Burns, R. D.**, Copeland, W. E., Adams, Z, Lerner, M., Rettew, J., & Hudziak, J. (2020). Physical activity and other wellness and risk factors from a college sample. *ACSM Annual Meeting*, San Francisco, CA (VIRTUAL).
- 80.) Pfladderer, C. D., Hu, Q., McCarty, R. L., & **Burns, R. D.** (2020). Lifestyle characteristics as predictors of adolescent sleep duration: Evidence from a National Survey. *ACSM Annual Meeting*, San Francisco, CA (VIRTUAL).

- 79.) Brusseau, T. A., **Burns, R. D.**, & Fu, Y. (2020). Cognitive, lifestyle, and activity-related correlates of non-prescription steroid use among US adolescents. *ACSM Annual Meeting*, San Francisco, CA (VIRTUAL).
- 78.) Fu, Y., **Burns, R. D.**, Hsu, Y. J., & Zhang, P. (2020). Motivation, segmented physical activity, sedentary behavior, and weight status in adolescents: A path analysis. *ACSM Annual Meeting*, San Francisco, CA (VIRTUAL).
- 77.) **Burns, R. D.**, Bai, Y., Fu, Y., & Brusseau, T. A. (2020). Associations of lifestyle behaviors with body mass index in adolescents: A quantile regression analysis. *ACSM Annual Meeting*, San Francisco, CA (VIRTUAL).
- 76.) Leinweber, S., Williams, S. M., Jones, E. M., Henninger, M. L., & **Burns, R. D.** (2020). PA and skill levels in coed and same-sex PE during invasion games. *SHAPE America Research Consortium*, Salt Lake City, UT.
- 75.) Strehli, I., Kwon, S., Pfladderer, C., & **Burns, R. D.** (2020). Effect of playground interventions on accelerometer-assessed physical activity in pediatric populations. *SHAPE America Research Consortium*, Salt Lake City, UT.
- 74.) Pfladderer, C. D., **Burns, R. D.**, Byun, W., Carson, R. L., Welk, G. J., & Brusseau, T. A. (2020). Parent and child perceptions of barriers to school active commuting. *SHAPE America Research Consortium*, Salt Lake City, UT.
- 73.) **Burns, R. D.** (2020). Enjoyment, self-efficacy, and physical activity within parent-adolescent dyads. *SHAPE America Research Consortium*, Salt Lake City, UT.
- 72.) **Burns, R. D.**, Fu, Y., & Brusseau, T. A. (2020). Sports participation independently associates with academic achievement among adolescents. *SHAPE America Research Consortium*, Salt Lake City, UT.
- 71.) Fu, Y., **Burns, R. D.**, Gomes, E., & Hsu, Y-W. J. (2020). Young children's school day sedentary behavior and physical activity in interactive versus traditional active video game. *SHAPE America Research Consortium*, Salt Lake City, UT.
- 70.) Fu, Y., **Burns, R. D.**, Gomes, E., & Savignac, A. (2020). Trends in sedentary behavior, physical activity, and motivation during a classroom-based Active Video Game program. *SHAPE America Research Consortium*, Salt Lake City, UT.
- 69.) Fawver, B., England, A., **Burns, R. D.**, Theise, M. S., Chase, B., Seljaas, A., & Brusseau, T. A. (2019). Attentional focus instructions alter speeded jump shot performance based on proximity of attentional cues. *North American Society for the Psychology of Sport and Physical Activity 2019 Conference*, Baltimore, MD.

- 68.) Pfladderer, C. D., Brusseau, T. A., & **Burns, R. D.** (2019). Salient health behaviors predict mental health in adolescents: Evidence from the 2017 National Youth Risk Behavior Survey. *APHA Annual Meeting*, Philadelphia, PA.
- 67.) **Burns, R. D.**, Pfladderer, C., & Brusseau, T. A. (2019). Home sedentary behavior and active transport, not device-use, associates with self-reported physical activity in adolescents: Evidence from the FLASHE Study. *APHA Annual Meeting*, Philadelphia, PA.
- 66.) Brusseau, T. A., **Burns, R. D.**, & Fu, Y. (2019). Impact of year-round and traditional school schedules on weight gain and fitness loss over the summer. *International Society of Behavioral Nutrition and Physical Activity Annual Meeting*, Prague, Czech Republic.
- 65.) **Burns, R. D.**, Kim, Y., Byun, W., & Brusseau, T. A. (2019). Associations of school day sedentary behavior and physical activity with gross motor skills: Use of compositional data analysis. *ACSM Annual Meeting*, Orlando, FL.
- 64.) Williams, S., Hannon, J. C., & **Burns, R. D.** (2019). Junior high PE students' tactical knowledge in four sport units. *SHAPE America Research Consortium*, Tampa, FL.
- 63.) Putnam, T., **Burns, R. D.**, Brusseau, T. A., Henderson, H., Ziegenfuss, D., & French, R. (2019). A needs assessment to determine how PETE University faculty evaluate pre-service teacher competency. *SHAPE America Research Consortium*, Tampa, FL.
- 62.) Zhang, P., Fu, Y., **Burns, R. D.**, & Brett, C. (2019). Associations among assessments of body composition with cardiorespiratory endurance, in adolescents. *SHAPE America Research Consortium*, Tampa, FL.
- 61.) **Brusseau, T. A.**, & Burns, R. D. (2019). Weight gain and fitness loss of children over the summer. *SHAPE America Research Consortium*, Tampa, FL.
- 60.) **Burns, R. D.**, Fu, Y., Brusseau, T. A., Yang, W., & Clements-Nolle, K. (2019). Relationships among physical activity, sleep duration, and academic achievement in a representative sample of adolescents. *SHAPE America Research Consortium*, Tampa, FL.
- 59.) Fu, Y., **Burns, R. D.**, Yang, W., & Clements-Nolle, K (2019). Associations between selected dietary behaviors and physical activity in adolescents. *SHAPE America Research Consortium*, Tampa, FL.
- 58.) Fu, Y., **Burns, R. D.**, & Brusseau, T. A. (2018). School day sedentary behavior and physical activity predicts LDL cholesterol independent of health-related fitness in school-aged children. *APHA Annual Meeting*, San Diego, CA.

- 57.) **Burns, R. D.**, Brusseau, T. A., & Fu, Y. (2018). Aerobic capacity mediates the relationship between physical activity and abdominal adiposity in low-income children. *APHA Annual Meeting*, San Diego, CA.
- 56.) Brusseau, T. A., & **Burns, R. D.** (2018). Physical activity, health-related fitness, and classroom behavior in children: A discriminant function analysis. *APHA Annual Meeting*, San Diego, CA.
- 55.) Zhang, P., Fu, Y., **Burns, R. D.**, Li, P., & Godin, S. (2018). Effects of a smartphone-based intervention on adults' physical activity, self-efficacy, and enjoyment. *ACSM Annual Meeting*, Minneapolis, MN.
- 54.) Fu, Y., **Burns, R. D.**, Brusseau, T. A., & Constantino, N. (2018). A cluster analysis and validation of health-related fitness tests in college students. *ACSM Annual Meeting*, Minneapolis, MN.
- 53.) Brusseau, T. A., & **Burns, R. D.** (2018). Development of step count cut-points for school day sedentary behaviors. *ACSM Annual Meeting*, Minneapolis, MN.
- 52.) Fu, Y., **Burns, R. D.**, Constantino, N., & Zhang, P. (2018). Effect of exergaming program on physical activity, motor skill, and enjoyment in preschool children. *SHAPE America/International Chinese Society for Physical Activities and Health Symposium*. Nashville, TN. **\*ICSPAH Research Poster Award**
- 51.) Constantino, N., Rodrigues, K., Fu, Y., & **Burns, R. D.** (2018). Effect of AVG on youth's physical activity, fitness, and motivation. *SHAPE America Research Consortium*, Nashville, TN.
- 50.) Fu, Y., Rodriguez, K., & **Burns, R. D.** (2018). Physical activity and motor skills: Mediating effect of perceived competence. *SHAPE America Research Consortium*, Nashville, TN.
- 49.) McKown, H., Brusseau, T. A., **Burns, R. D.**, & Galli, N. (2018). Relationship between teacher appearance and student physical activity in elementary physical education. *SHAPE America Research Consortium*, Nashville, TN.
- 48.) Mattson, R. E., Brusseau, T. A., **Burns, R. D.**, Metos, J. M., & Jordan, K. C. (2018). Changes in physical activity/nutrition knowledge and enjoyment in CSPAP schools. *SHAPE America Research Consortium*, Nashville, TN.
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- 41.) Greviskes, L. E., Podlog, L. Newton, M., Dibble, L. E., **Burns, R. D.**, Pillow, W., ... & Hammer, C. (2017). Caring interactions in secondary prevention programs: A qualitative inquiry of individual's with Parkinson's disease. *Association of Applied Sport Psychology*. Orlando, FL.
- 40.) Brusseau, T. A., & **Burns, R. D.** (2017). School day physical activity and classroom behavior in disadvantaged children. *ACSM Annual Meeting*. Denver, CO.
- 39.) Phillips, D. S., Hart, J. L., Arville, P., Dilworth, Q., & **Burns, R. D.** (2017). Effect of physical activity on cognitive control in college-aged students. *ACSM Annual Meeting*. Denver, CO.
- 38.) **Burns, R. D.**, & Brusseau, T. A. (2017). Muscular strength and endurance and cardio-metabolic health in low-income Hispanic children. *ACSM Annual Meeting*. Denver, CO.
- 37.) Brusseau, T. A., **Burns, R. D.**, Fang, Y., Fu, Y., Goodrum, S., Norris, N. & Hannon, J. C. (2017). Findings and lessons learned from a 2-year Comprehensive School Physical Activity Program. *SHAPE America Research Consortium*. Boston, MA.
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- 31.) **Burns, R. D.**, Brusseau, T. A., Fang, Y., & Hannon, J. C. (2016). Effect of a 12-Week summer break on health-related fitness in disadvantaged children from low-income schools. *NASPEM Biennial Conference*, Knoxville, TN.
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17.) Davidson, L., Brusseau, T.A., **Burns, R. D.**, & Hannon, J.C. (2015). Predictors and grade level trends of school day physical activity achievement in at-risk children in the U.S. *TOS Obesity Week, Los Angeles, CA.*

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15.) Fu, Y., Gao, Z., Hannon, J.C., Allen, B., & **Burns, R. D.** (2015). Effect of SPARK on physical activity, cardiorespiratory endurance, and motivation in middle-school students. *ACSM Annual Meeting, San Diego, CA.*

14.) **Burns, R. D.**, Hannon, J.C., Brusseau, T. A., Saint-Maurice, P. F., Welk, G.J., & Mahar, M.T. (2015). Prediction of  $VO_{2Peak}$  relative to fat-free mass in adolescents. *ACSM Annual Meeting, San Diego, CA.*

- 13.) Hannon, J. C., Brusseau, T. A., Smith, C., Fu, Y., & **Burns, R. D.** (2015). Multi-level modeling of observed physical activity behaviors in elementary school children using SOPLAY. *ACSM Annual Meeting*, San Diego, CA.
- 12.) **Burns, R. D.**, Hannon, J. C., Brusseau, T. A., Saint-Maurice, P. F., Welk, G. J., & Mahar, M. T. (2015). Development of a VO<sub>2</sub> Peak prediction model from one-mile run/walk performance. *SHAPE America Research Consortium*, Seattle, WA.
- 11.) **Burns, R. D.**, Hannon, J. C., Brusseau, T. A., Saint-Maurice, P. F., Welk, G. J., & Mahar, M.T. (2015). Cross-validation of VO<sub>2</sub> Peak prediction models in adolescents. *SHAPE America Research Consortium*, Seattle, WA.
- 10.) Fu, Y., Gao, Z., Hannon, J. C., **Burns, R. D.**, Brusseau, T. A., & Allen, B. (2015). Effect of SPARK on students' academic learning time in PE. *SHAPE America Research Consortium*, Seattle, WA.
- 9.) Miller, C. J., Christensen, J. C., & **Burns, R.D.** (2015). Does utilization and cost of physical therapy interventions influence clinical outcomes in individuals following anterior cruciate ligament reconstruction? *American Physical Therapy Association Combined Section Meeting*, Indianapolis, IN.
- 8.) Miller, C. J., Christensen, J. C., & **Burns, R. D.** (2015). The influence of demographic and physical therapy utilization on incidence rates for revision surgery following anterior cruciate ligament reconstruction. *American Physical Therapy Association Combined Section Meeting*, Indianapolis, IN.
- 7.) **Burns, R. D.**, Brusseau, T. A., & Hannon, J. C. (2014). Step count trends during daily middle school physical education. *Biennial NASPEM Conference*, Minneapolis-St. Paul, MN.
- 6.) **Burns, R. D.**, Hannon, J. C., Allen, B., & Brusseau, T. A. (2014). Waist-to-Height ratio standards based on agreement with health-related body fat. *AAHPERD National Convention Research Consortium, \*\*\*Poster Social: Research Across Disciplines* St. Louis, MO.
- 5.) **Burns, R. D.**, Hannon, J. C., Allen, B., & Brusseau, T. A. (2013). VO<sub>2</sub> max agreement using linear and quadratic field test prediction models. *ACSM Annual Meeting*, Indianapolis, IN.
- 4.) **Burns, R. D.**, Hannon, J. C., Allen, B., & Brusseau, T. A. (2013). Skinfold thickness and hand-held BIA agreement in body fat estimates. *AAHPERD National Convention Research Consortium*, Charlotte, NC.
- 3.) Allen, B., Hannon, J. C., & **Burns, R. D.** (2013). Effect of core conditioning on youth's strength and endurance. *AAHPERD National Convention Research Consortium*, Charlotte, NC.

2.) **Burns, R. D.**, Hannon, J. C., Allen, B., Saint-Maurice, P. F., & Welk, G. J. (2012). Associations among body fat %, BMI, and muscular fitness test performance in school-aged children. *ACSM Annual Meeting*, San Francisco, CA.

1.) Saint-Maurice, P. F., Welk, G. J., **Burns, R. D.**, & Hannon, J.C. (2012). Establishing criterion-health related standards for muscular fitness tests in high school students. *ACSM Annual Meeting*, San Francisco, CA.

#### X. LOCAL PRESENTATIONS

4.) Phillips, D. S., Hart, J. L., & **Burns, R. D.** (2018). Effect of physical activity on cognitive control of college-aged students. *Salisbury University Teaching and Learning Conference*, Salibury, MD.

3.) **Burns, R. D.**, Brusseau, T. A., Hannon, J. C., Eisenman, P. A., Shultz, B. B., & Mahar, M. T. (2015). Effect of BMI on estimating VO<sub>2</sub>PEAK using the One-mile Run/Walk Test in adolescents. *UAHPERD Conference*, Park City, UT.

2.) Brusseau, T. A., **Burns, R. D.**, & Hannon, J. C. (2015). Effect of an 8-week comprehensive school physical activity program on physical activity and sedentary behaviors in at-risk children. *C-FAHR Poster Session*, The University of Utah, Salt Lake City, UT.

1.) **Burns, R. D.**, Prewitt, S., & Harveston, A. (2012). The Sport Education Model: not what you may think. *UAHPERD Conference*, Park City, UT.

#### XI. PUBLISHED ABSTRACTS

65.) Leinweber, S., Williams, S. M., Jones, E. M., Henninger, M. L., & **Burns, R. D.** (2020). PA and skill levels in coed and same-sex PE during invasion games. *Research Quarterly for Exercise and Sport*, 91, A-102.

64.) Strehli, I., Kwon, S., Pfladderer, C., & **Burns, R. D.** (2020). Effect of playground interventions on accelerometer-assessed physical activity in pediatric populations. *Research Quarterly for Exercise and Sport*, 91, A-50.

63.) Pfladderer, C. D., **Burns, R. D.**, Byun, W., Carson, R. L., Welk, G. J., & Brusseau, T. A. (2020). Parent and child perceptions of barriers to school active commuting. *Research Quarterly for Exercise and Sport*, 91, A-50.

62.) **Burns, R. D.** (2020). Enjoyment, self-efficacy, and physical activity within parent-adolescent dyads. *Research Quarterly for Exercise and Sport*, 91, A-29.

61.) **Burns, R. D.**, Fu, Y., & Brusseau, T. A. (2020). Sports participation independently associates with academic achievement among adolescents. *Research Quarterly for Exercise and Sport*, 91, A-50.

- 60.) Fu, Y., **Burns, R. D.**, Gomes, E., & Hsu, Y-W. J. (2020). Young children's school day sedentary behavior and physical activity in interactive versus traditional active video game. *Research Quarterly for Exercise and Sport*, 91, A-50.
- 59.) Fu, Y., **Burns, R. D.**, Gomes, E., & Savignac, A. (2020). Trends in sedentary behavior, physical activity, and motivation during a classroom-based Active Video Game program. *Research Quarterly for Exercise and Sport*, 91, A-50.
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- 57.) Brusseau, T. A., **Burns, R. D.**, & Fu, Y. Relating lifestyle factors to adolescent non-prescription steroid use. *Medicine and Science in Sports and Exercise*, 52(S5), S95.
- 56.) **Burns, R. D.**, Bai, Y., Fu, Y., & Brusseau, T. A. (2020). Associations of lifestyle behaviors with body mass index in adolescents: A Quantile regression analysis. *Medicine and Science in Sports and Exercise*, 52(S5), S342-S343.
- 55.) Fu, Y., **Burns, R. D.**, Zhang, P., Hsu, Y-W., & Constantino, N. (2020). Motivation, segmented physical activity, sedentary behavior, and weight status in adolescents: A path analysis. *Medicine and Science in Sports and Exercise*, 52(S5), S218.
- 54.) Pfladderer, C. D., Hu, Q., McCarty, R. L., & **Burns, R. D.** (2020). Lifestyle characteristics as predictors of adolescent sleep duration: Evidence from a national survey. *Medicine and Science in Sports and Exercise*, 52(S5), S527.
- 53.) Fawver, B., England, A., **Burns, R. D.**, Theise, M. S., Chase, B., Seljaas, A., & Brusseau, T. A. (2019). Attentional focus instructions alter speeded jump shot performance based on proximity of attentional cues. *Journal of Sport and Exercise Psychology*, 41, S30.
- 52.) **Burns, R. D.**, Kim, Y., Byun, W., & Brusseau, T. A. (2019). Associations among school day sedentary behavior, physical activity, and motor skills: A compositional data analysis. *Medicine and Science in Sports and Exercise*, 49(S5), S289.
- 51.) Williams, S., Hannon, J. C., & **Burns, R. D.** (2019). Junior high PE students' tactical knowledge in four sport units. *Research Quarterly for Exercise and Sport*, 90(S1), A-118.

- 50.) Putnam, T., **Burns, R. D.**, Brusseau, T. A., Henderson, H., Ziegenfuss, D., & French, R. (2019). A needs assessment to determine how PETE University faculty evaluate pre-service teacher competency. *Research Quarterly for Exercise and Sport, 90(S1)*, A-145.
- 49.) Zhang, P., Fu, Y., **Burns, R. D.**, & Brett, C. (2019). Associations among assessments of body composition with cardiorespiratory endurance, in adolescents. *Research Quarterly for Exercise and Sport, 90(S1)*, A-21.
- 48.) **Brusseau, T. A.**, & Burns, R. D. (2019). Weight gain and fitness loss of children over the summer. *Research Quarterly for Exercise and Sport, 90(S1)*, A-33.
- 47.) **Burns, R. D.**, Fu, Y., Brusseau, T. A., Yang, W., & Clements-Nolle, K. (2019). Relationships among physical activity, sleep duration, and academic achievement in a representative sample of adolescents. *Research Quarterly for Exercise and Sport, 90(S1)*, A-145.
- 46.) Fu, Y., **Burns, R. D.**, Yang, W., & Clements-Nolle, K (2019). Associations between selected dietary behaviors and physical activity in adolescents. *Research Quarterly for Exercise and Sport, 90(S1)*, A-33.
- 44.) Zhang, P., Fu, Y., **Burns, R. D.**, & Godin, S. (2018). Effect of a smartphone-based intervention on adults' physical activity, self-efficacy, and enjoyment. *Medicine and Science in Sports and Exercise, 50(5S)*, 51-52.
- 43.) Fu, Y., **Burns, R. D.**, Brusseau, T. A., & Constantino, N. (2018). A cluster analysis and validation of health-related fitness tests in college students. *Medicine and Science in Sports and Exercise, 50(5S)*, 406-407.
- 42.) Brusseau, T. A., & **Burns, R. D.** (2018). Development of step count cut-points for school day sedentary behavior. *Medicine and Science in Sports and Exercise, 50(5S)*, 291.
- 41.) Fu, Y., **Burns, R. D.**, Constantino, N., & Zhang, P. (2018). Effect of exergaming program on physical activity, motor skill, and enjoyment in preschool children. *Research Quarterly for Exercise and Sport, 89*, A4-A207.
- 40.) Constantino, N., Rodrigues, K., Fu, Y., & **Burns, R. D.** (2018). Effect of AVG on youth's physical activity, fitness, and motivation. *Research Quarterly for Exercise and Sport, 89*, A4-A207.
- 39.) Fu, Y., Rodriguez, K., & **Burns, R. D.** (2018). Physical activity and motor skills: Mediating effect of perceived competence. *Research Quarterly for Exercise and Sport, 89*, A4-A207.

- 38.) McKown, H., Brusseau, T. A., **Burns, R. D.**, & Galli, N. (2018). Relationship between teacher appearance and student physical activity in elementary physical education. *Research Quarterly for Exercise and Sport*, 89, A4-A207.
- 37.) Mattson, R. E., Brusseau, T. A., **Burns, R. D.**, Metos, J. M., & Jordan, K. C. (2018). Changes in physical activity/nutrition knowledge and enjoyment in CSPAP schools. *Research Quarterly for Exercise and Sport*, 89, A4-A207.
- 36.) Brusseau, T. A., Hannon, J. C., & **Burns, R. D.** (2018). Director of physical education and changes in physical activity from a CSPAP. *Research Quarterly for Exercise and Sport*, 89, A4-A207.
- 35.) Brusseau, T. A., Hannon, J. C., & **Burns, R. D.** (2018). Effect of SPARK on segmented physical activity in incarcerated adolescents. *Research Quarterly for Exercise and Sport*, 89, A4-A207.
- 34.) **Burns, R. D.**, & Brusseau, T. A. (2018). Trends in estimated aerobic capacity over a two-year CSPAP. *Research Quarterly for Exercise and Sport*, 89, A4-A207.
- 33.) Fu, Y., Brusseau, T. A., & **Burns, R. D.** (2018). Trends in physical activity enjoyment in CSPAP schools. *Research Quarterly for Exercise and Sport*, 89, A4-A207.
- 32.) **Burns, R. D.**, & Fu, Y. (2018). Meta-Analysis of school-based physical activity interventions on physical activity enjoyment. *Research Quarterly for Exercise and Sport*, 89, A4-A207.
- 31.) Brusseau, T. A., & **Burns, R. D.** (2017). School day physical activity and classroom behavior in disadvantaged children. *Medicine and Science in Sports and Exercise*, 49(5S), 893.
- 30.) Phillips, D. S., Gregory, B., Hart, J. L., Dilworth, Q., Arville, P., & **Burns, R. D.** (2017). Effect of physical activity on cognitive control in college-aged students. *Medicine and Science in Sports and Exercise*, 49(5S), 211.
- 29.) **Burns, R. D.**, & Brusseau, T. A. (2017). Muscular strength and endurance and cardio-metabolic health in low-income Hispanic children. *Medicine and Science in Sports and Exercise*, 49(5S), 969.
- 28.) Fu, Y., Brusseau, T. A., Hannon, J. C., Fang, Y., & **Burns, R. D.** (2017). Effect of CSPAP on disadvantaged children's enjoyment over one year. *Research Quarterly for Exercise and Sport*, 88, A33-A33.



- 27.) King, M. K., Brusseau, T. A., & **Burns, R. D.** (2017). Contextual factors related to MVPA during elementary physical education. *Research Quarterly for Exercise and Sport*, 88, A69-A70.
- 26.) Brusseau, T. A., **Burns, R. D.**, & Hannon, J. C. (2017). Effect of CSPAP on TGMD-3 scores in disadvantaged children. *Research Quarterly for Exercise and Sport*, 88, A53-A54.
- 25.) **Burns, R. D.**, Brusseau, T. A., Fu, Y., & Hannon, J. C. (2017). Effect of CSPAP on cardio-metabolic health markers in disadvantaged children. *Research Quarterly for Exercise and Sport*, 88, A74-A75.
- 24.) **Burns, R. D.**, Fu, Y., & Brusseau, T. A. (2017). Physical activity leader goal setting during a CSPAP intervention. *Research Quarterly for Exercise and Sport*, 88, A97-A97.
- 23.) Brusseau, T. A., **Burns, R. D.**, Fang, Y., Fu, Y., Goodrum, S., Norris, N. & Hannon, J. C. (2017). Findings and lessons learned from a 2-year Comprehensive School Physical Activity Program. *Research Quarterly for Exercise and Sport*, 88, A6-A6.
- 22.) Goodrum, S., Brusseau, T. A., Fang, Y., Norris, N. L., & **Burns, R. D.** (2016). Predictive relationship between body mass index and TGMD-3 performance in disadvantaged children. *Medicine and Science in Sports and Exercise*, 48(5S),158.
- 21.) Fu, Y., Brusseau, T. A, **Burns, R. D.**, & Hannon, J. C. (2016). Prediction of optimal daily step count achievement from segmented school physical activity in children. *Medicine and Science in Sports and Exercise*, 48(5S).
- 20.) Brusseau, T. A, **Burns, R. D.**, & Hannon, J. C. (2016). Free-living physical activity and health-related fitness of adolescents within the Juvenile Justice System. *Medicine and Science in Sports and Exercise*, 48(5S).
- 19.) **Burns, R. D.**, Brusseau, T. A., & Hannon, J. C. (2016). Effect of CSPAP on physical activity behaviors in at-risk children. *Research Quarterly for Exercise and Sport*, 87(S2), A43.
- 18.) Fang, Y., Brusseau, T. A., **Burns, R. D.**, Fu, Y., & Hannon, J. C. (2016). Correlates of gross motor skills using TGMD-3 in at-risk children. *Research Quarterly for Exercise and Sport*, 87(S2).
- 17.) Fu, Y., Brusseau, T. A., **Burns, R. D.**, Yang, Y., & Hannon, J. C. (2016). Effect of CSPAP on health-related fitness in at-risk children. *Research Quarterly for Exercise and Sport*, 87(S2).

- 16.) Myrer, R. S., Brusseau, T. A., **Burns, R. D.**, Fu, Y., & Hannon, J. C. (2016). Effect of CSPAP on classroom behavior in at-risk children. *Research Quarterly for Exercise and Sport*, 87(S2).
- 15.) Namanny, S. F., Jensen, E., Jolley, D., & **Burns, R. D.** (2015). Differences among active video-gaming platforms and traditional physical activity on average METs and estimated energy expenditure in adults. *Medicine and Science in Sports and Exercise*, 47(5S), 396.
- 14.) Fu, Y., Gao, Z., Hannon, J. C., Allen, B., & **Burns, R. D.** (2015). Effect of SPARK on physical activity, cardiorespiratory endurance, and motivation in middle-school students. *Medicine and Science in Sports and Exercise*, 47(5S), 476.
- 13.) **Burns, R. D.**, Hannon, J. C., Brusseau, T. A., Saint-Maurice, P. F., Welk, G. J., & Mahar, M. T. (2015). Prediction of  $VO_{2Peak}$  relative to fat-free mass in adolescents. *Medicine and Science in Sports and Exercise*, 47(5S), 114-115.
- 12.) Hannon, J. C., Brusseau, T. A., Smith, C., Fu, Y., & **Burns, R. D.** (2015). Multi-level modeling of observed physical activity behaviors in elementary school children using SOPLAY. *Medicine and Science in Sports and Exercise*, 47(5S), 918.
- 11.) **Burns, R.D.**, Hannon, J.C., Brusseau, T.A., Saint-Maurice, P.F., Welk, G.J., & Mahar, M.T. (2015). Development of a  $VO_{2 Peak}$  prediction model from one-mile run/walk performance. *Research Quarterly for Exercise and Sport*, 86, A10-A10.
- 10.) **Burns, R. D.**, Hannon, J. C., Brusseau, T. A., Saint-Maurice, P. F., Welk, G. J., & Mahar, M. T. (2015). Cross-validation of  $VO_{2 Peak}$  prediction models in adolescents. *Research Quarterly for Exercise and Sport*, 86, A9-A10.
- 9.) Fu, Y., Gao, Z., Hannon, J. C., **Burns, R. D.**, Brusseau, T. A., & Allen, B. (2015). Effect of SPARK on students' academic learning time in PE. *Research Quarterly for Exercise and Sport*, 86(S2).
- 8.) Miller, C. J., Christensen, J. C., & **Burns, R. D.** (2015). Does utilization and cost of physical therapy interventions influence clinical outcomes in individuals following anterior cruciate ligament reconstruction? *Journal of Orthopaedic and Sports Physical Therapy*, 45, A17.
- 7.) Miller, C. J., Christensen, J. C., & **Burns, R. D.** (2015). The influence of demographic and physical therapy utilization on incidence rates for revision surgery following anterior cruciate ligament reconstruction. *Journal of Orthopaedic and Sports Physical Therapy*, 45, A17.
- 6.) **Burns, R. D.**, Hannon, J. C., Allen, B., & Brusseau, T. A. (2014).

Waist-to-Height ratio standards based on agreement with health-related body fat. *Research Quarterly for Exercise and Sport*, 85(S1), A17.

5.) **Burns, R. D.**, Hannon, J. C., Allen, B., & Brusseau, T. A. (2013). VO2 max value agreement using linear and quadratic field test prediction models. *Medicine and Science in Sports and Exercise*. 45(5S), 682-682.

4.) **Burns, R. D.**, Hannon, J. C., Allen, B., & Brusseau, T.A. (2013). Skinfold thickness and hand-held BIA agreement in body fat estimates. *Research Quarterly for Exercise and Sport*, 84(S1), A26-A27.

3.) Allen, B., Hannon, J. C, & **Burns, R. D.** (2013). Effect of core conditioning on youth's strength and endurance. *Research Quarterly for Exercise and Sport*, 84(S1), A10-A10.

2.) **Burns, R. D.**, Hannon, J. C., Allen, B., Saint-Maurice, P. F., & Welk, G. J. (2012). Associations among body fat %, BMI, and muscular fitness test performance in school-aged children. *Medicine and Science in Sports and Exercise*, 44(5S), 286-286.

1.) Saint-Maurice, P. F., Welk, G. J., **Burns, R. D.**, & Hannon, J. C. (2012). Establishing criterion-health related standards for muscular fitness tests in high school students. *Medicine and Science in Sports and Exercise*, 44(5S), 489-489.

## XII. NON-REFEREED PUBLICATIONS

1.) Larson, J. N., Harveson, A., & **Burns, R. D.** (2015). Teaching tips for increasing student motivation during physical education, *UAHPERD Newsletter*, 1, 4-7.

## XIII. BOOK CHAPTERS

2.) Brusseau, T. A., & **Burns, R. D.** (2020). Multicomponent school based physical activity interventions. In Brusseau, T. A., Fairclough, S., & Lubans, D. (eds). *Handbook on Youth Physical Activity*. Abingdon, UK: Routledge.

1.) Fu, Y., Gao, Z., **Burns, R. D.**, & Hannon, J. C. (2015). Correlates of physical activity in children. In Gao, Z., & Pope, Z. (eds). *Physical Activity Behaviors and Determinants in Children and Adolescents*. Hauppauge, NY: Nova Publishers.

## XIV. SERVICE

### Manuscript Reviewer

84.) Experimental Physiology (2021; 1 total)

83.) Learning and Individual Differences (2021; 1 total)

- 82.) Frontiers in Physiology (2021; 1 total)
- 81.) Obesity Reviews (2020; 2 total)
- 80.) Journal for the Measurement of Physical Behavior (2020; 2 total)
- 79.) Adapted Physical Activity Quarterly (2020; 1 total)
- 78.) The Physician and Sports Medicine (2020; 1 total)
- 77.) SSM - Population Health (2020; 2 total)
- 76.) Health Education & Behavior (2020; 2 total)
- 75.) Health & Place (2020; 1 total)
- 74.) Journal of Adolescence (2020; 1 total)
- 73.) International Journal of Kinesiology in Higher Education (2020; 1 total)
- 72.) European Journal of Pediatrics (2020; 1 total)
- 71.) BMC Sports Science, Medicine, and Rehabilitation (2020; 1 total)
- 70.) The Social Science Journal (2020; 1 total)
- 69.) Obesity (2020; 1 total)
- 68.) Journal of Sleep Research (2020; 1 total)
- 67.) Journal of Adolescent Health (2020, 2021; 5 total)
- 66.) BioMed Research International (2020; 1 total)
- 65.) Applied Psychology: Health and Well-being (2020; 2 total)
- 64.) Scientific Reports (2020; 2 total)
- 63.) Journal of Clinical Medicine (2020; 1 total)
- 62.) Journal of Exercise Science and Fitness (2020; 1 total)
- 61.) BMJ Open Sport and Exercise Medicine (2020; 1 total)
- 60.) Frontiers in Psychology (2019; 1 total)
- 59.) Applied Physiology, Nutrition, and Metabolism (2019, 2020; 2 total)
- 58.) American Journal of Preventive Medicine (2019, 2020, 2021; 3 total)
- 57.) Journal of Affective Disorders (2019, 2020; 2 total)
- 56.) Journal of Sport and Exercise Psychology (2019, 2020; 3 total)
- 55.) Nature and Science of Sleep (2019; 1 total)
- 54.) Medicines (2019; 1 total)
- 53.) Pediatric Research (2019; 1 total)
- 52.) International Journal of Sport and Exercise Psychology (2019, 2020; 2 total)
- 51.) Journal of Racial and Ethnic Minorities (2019; 1 total)
- 50.) International Journal of Medical Research (2019; 1 total)
- 49.) American Journal of Health Promotion (2019, 2020; 6 total)
- 48.) Evaluation and Program Planning (2018, 2019; 3 total)
- 47.) Journal of Teaching in Physical Education (2019, 2020; 4 total)
- 46.) Frontiers in Public Health (2019; 1 total)
- 45.) Journal of Paediatrics and Child Health (2018, 2019; 2 total)
- 44.) International Journal of Disability, Development, and Education (2019; 1 total)
- 43.) European Journal of Sports Sciences (2018, 2020; 2 total)
- 42.) Cognitive Development (2018; 2 total)
- 41.) Disability and Rehabilitation (2018, 2019; 2 total)
- 40.) European Journal of Pediatrics (2018, 1 total)
- 39.) International Journal of Environmental Research and Public Health (2018, 2019, 2020, 2021; 13 total)

- 38.) Scandinavian Journal of Medicine and Science in Sport (2018, 2020; 5 total)
- 37.) Patient Education and Counseling (2018; 2 total)
- 36.) Nutrients (2018; 3 total)
- 35.) International Journal of Obesity (2018; 1 total)
- 34.) International Journal of Epidemiology (2017; 1 total)
- 33.) American Journal of Health Behavior (2017, 2018, 2019, 2020; 5 total)
- 32.) Pediatric Exercise Science (2017, 2018, 2019, 2020; 5 total)
- 31.) Measurement in Physical Education and Exercise Science (2017, 2018, 2019, 2020, 2021 13 total)
- 30.) Journal of Functional Morphology and Kinesiology (2018; 1 total)
- 29.) Journal of Motor Learning and Development (2017, 2018, 2019, 2020; 4 total)
- 28.) Games for Health Journal (2017; 1 total)
- 27.) Journal of Testing and Evaluation (2017; 1 total)
- 26.) Preventing Chronic Disease (2016, 2017, 2019, 2020; 5 total)
- 25.) Research Quarterly for Exercise and Sport (2016, 2017, 2018, 2019, 2020, 2021; 30 total)
- 24.) Journal of Positive Behavior Interventions (2016, 2018; 2 total)
- 23.) Jornal de Pediatria (2016; 1 total)
- 22.) Journal of Sports Sciences (2016, 2020, 2021; 7 total)
- 21.) BMC Public Health (2016, 2017, 2018, 2019, 2020; 14 total)
- 20.) BMC Pediatrics (2016, 2017, 2018, 2019; 4 total)
- 19.) Journal of Science and Medicine in Sport (2016, 2017, 2018, 2019, 2020; 16 total)
- 18.) Disability and Health Journal (2016, 2017, 2018, 2019, 2020; 16 total)
- 17.) Clinical Medicine Insights: Women's Health (2016; 1 total)
- 16.) Preventive Medicine (2015, 2016, 2017, 2018, 2019, 2020, 2021; 36 total)
- 15.) Preventive Medicine Reports (2016, 2017, 2018, 2019, 2020, 2021; 13 total)
- 14.) BMJ Open (2016, 2018, 2019, 2020; 9 total)
- 13.) Italian Journal of Pediatrics (2016, 2017; 1 total)
- 12.) Journal of Physical Activity and Health (2015, 2016, 2017, 2018, 2019, 2020, 2021; 22 total)
- 11.) PLoS One (2015, 2016, 2018, 2019; 4 total)
- 10.) Pediatric Obesity (2015, 2016, 2020; 3 total)
- 9.) Medicine and Science in Sports and Exercise (2015, 2017, 2018, 2019, 2020; 10 total)
- 8.) Journal of Sports Medicine and Physical Fitness (2015, 2017, 2018; 7 total)
- 7.) Perceptual and Motor Skills (2015, 2017, 2018, 2019, 2020, 2021; 19 total)
- 6.) Sensors (2015; 1 total)
- 5.) European Physical Education Reviews (2015; 1 total)
- 4.) British Journal of Medicine and Medical Research (2014; 1 total)
- 3.) Journal of Sport and Health Science (2014, 2018, 2019, 2020, 2021; 14 total)
- 2.) Balkan Medical Journal (2014; 1 total)
- 1.) African Health Studies (2014; 1 total)

**Editorial Boards**

- 6.) Measurement in Physical Education and Exercise Science, Exercise Science Section Editor
- 5.) Preventive Medicine Reports, Editorial Board Member
- 4.) International Journal of Environmental Research and Public Health, Topic Editor
- 3.) Perceptual and Motor Skills, Associate Editor
- 2.) BMC Public Health, Section Editor, Physical Activity and Health
- 1.) American Journal of Health Behavior, Editorial Board Member

**Special Issue Editor**

- 2.) International Journal of Environmental Research and Public Health, Health Behavior Clustering and Mental Health Outcomes in Youth and Young Adults (2020 – )
- 1.) International Journal of Environmental Research and Public Health, Physical Activity and Psychosocial and Cognitive Outcomes in Children and Adolescents (2019 – 2020; 17 papers published)

**Grant Reviewer**

- 1.) Qatar University Collaborative Grant. Sleep, physical activity, cognitive functioning and academic performance: An analysis of mediating and confounding associations among university students in Qatar. (2020)

**National Conference Abstract Reviewer**

- 5.) SHAPE America Review Panel Chair - Exercise Science Section (2019)
- 4.) SHAPE America Research Consortium - Exercise Science Section (2019, 2020)
- 3.) SHAPE America Research Consortium - Measurement and Evaluation Section (2019, 2020)
- 2.) APHA Annual Meeting (2019, 2020, 2021)
- 1.) SHAPE America Research Consortium Physical Activity and Health Promotion Section (2017, 2018)

**National Conference Session President**

- 1.) Physical Activity and Health Promotion Poster Session, SHAPE America Research Consortium (2018)

**Search Committee**

- 1.) Assistant Professor Search, Physical Activity and Wellbeing, Department of Health and Kinesiology, University of Utah (2018-2019)

**Department Committee**

1.) Scholarship and Awards, Department of Health and Kinesiology, University of Utah (2018- )

**Doctoral Dissertation Committees**

- 16.) Kary Woodruff, PhD - Graduated
- 15.) Taylor Colotti, PhD Candidate – Withdrawn
- 14.) Christopher Pfladderer, PhD Candidate – Anticipated Graduation is Spring 2021
- 13.) Sunku Kwon, PhD Candidate – Anticipated Graduation is Spring 2022
- 12.) Daniel P.H. Cortez, PhD Candidate-Anticipated Graduation is Spring 2021
- 11.) Ildiko Strehli, PhD Candidate-Anticipated Graduation is Spring 2021
- 10.) Brock McMullen, PhD-Graduated
- 9.) Nica Clark, PhD Candidate-Anticipated Graduation is Spring 2021
- 8.) Katherine Pagano, PhD Candidate-Anticipated Graduation is Spring 2021
- 7.) Ben Chase, PhD - Graduated
- 6.) Mandy Kirkham King, PhD-Graduated
- 5.) Jaime Deaton, PhD Candidate -Withdrawn
- 4.) Angela Heinemann, PhD-Graduated
- 3.) Lindsey Greviskes, PhD-Graduated
- 2.) Tara Marchinek, PhD-Graduated
- 1.) Aaron England, PhD-Graduated

**Masters Thesis/Non-Thesis Committees**

- 26.) Jason Thomas, MS – Anticipated Graduations is Spring 2022
- 25.) Jaqueline Ohayon, MS – Anticipated Graduation is Spring 2022
- 24.) Amery Kongphouthakoun, MS-Graduated
- 23.) Cole Benson, MS-Graduated
- 22.) Brandon Campbell, MS-Graduated
- 21.) Jordan Cox, MS-Graduated
- 20.) Tom Sitake, Jr., MS-Graduated
- 19.) Joli Johanson, MS-Graduated
- 18.) Jon Burke, MS-Graduated
- 17.) Kahyun Nam, MS-Graduated
- 16.) Hayley McKown, MS-Graduated
- 15.) Amberlee Taylor, MS-Graduated
- 14.) Kate Ashby, MS-Graduated
- 13.) Barry Fitch, MS-Graduated
- 12.) Katelyn M. Kimber, MS-Graduated
- 11.) Yi Fang, MS-Graduated
- 10.) Sara Goodrum, MS- Graduated
- 9.) Skyler Beard, MS-Graduated
- 8.) Justin Maxwell, MS-Graduated

- 7.) Elyse D'Astous, MS-Graduated
- 6.) Damara Farkas, MS-Graduated
- 5.) Kasey Larson, MS-Graduated
- 4.) Gavin McBride, MS-Graduated
- 3.) Sophia Seegmiller, MS-Graduated
- 2.) Courtney Merrill, MS-Graduated
- 1.) Dylan Hyland, MS-Graduated

**Community Volunteer**

- 3.) Skullcandy™-Sports Performance Data Analyst (2015-2016)
- 2.) Utah Catholic Athletic Association-Assistant Basketball Coach (2013-2014)
- 1.) North Allegheny Tiger Pride-Assistant Coach 9-10-year-old Youth Football (2003-2006)