

CURRICULUM VITAE

Yong Gao, Ph.D

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I. EDUCATION AND EXPERIENCE

A. Employment and Working Experience

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|---------------------------|--|
| 2017 (July) – current | Full Professor, Department of Kinesiology, Boise State University |
| 2013 (July) – 2017 (June) | Associate Professor, Department of Kinesiology, Boise State University |
| 2008 (July) – 2013 (June) | Assistant Professor, Department of Kinesiology, Boise State University |
| 2002 - 2008 (July) | Research Assistant/Teaching Assistant /Course Instructor, Department of Kinesiology and Community Health, UIUC |
| 2003 - 2004 | Psychometric Consultant, Certification and Registry Board, American College of Sports Medicine, USA |
| 1999 - 2001 | Research Assistant, Department of Health & Exercise Science, Shanghai University of Sport, China |
| 1994 - 1998 | Doctor, Hospital of the Second Steel and Iron Factory, Shanghai, China |
| 1992 - 1994 | Internship, Hospital of the Second Steel and Iron Factory, Shanghai, China |

B. Educational Background

- Ph.D in Kinesiology, University of Illinois at Urbana-Champaign (UIUC), July 2008
- M.Ed. in Health and Exercise Science, Shanghai University of Sport, Shanghai, China, July 2001
- Diploma in Medicine, Medical College, Wuhan University of Science and Technology, Wuhan, China, July 1992

C. Advanced Academic Training/Professional Development

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| 2015 Oct | Workshop, “Enabling Self-directed Learning through Evidence-Based Teaching Strategies in a Graduate-level Course”, Center for Teaching & Learning, Boise State University |
| 2014 summer | Mobile Learning Summer Institute (MLSI), Boise State University |
| 2012 (Sept) | Physical Activity and Public Health (PAPH) Research Course, the Centers for Disease Control and Prevention, and University of South Carolina Prevention Research Center |
| 2012 – 2013 | Teaching Scholar Program, Center for Teaching & Learning, Boise State University |
| 1994 (Apr. - Aug.) | Clinic Emergency Treatment training, Shanghai Emergency Center, China |
| 1994 – 1995 | Neurology Clinic Training, Changhai Hospital, the Second Military Medical University in Shanghai, China |

D. Membership in Professional Associations and Societies

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| 2009- current | Lifetime member, International Chinese Society of Physical Activities and Health (ICSPAH) |
| 2002 - current | Society of Health and Physical Educators (SHAPE America; formerly AAHPERD) |
| 2002 – current | Research Council (formerly Research Consortium), SHAPE America |
| 2003 – 2013 | American Association for Physical Active and Recreation (AAPAR) |
| 2003 - current | American College of Sports Medicine (ACSM) |

E. Awards/Honors

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| 2018 | Honor Award, SHAPE America, Measurement & Evaluation Special Interest Group |
| 2016 | 2016-2017 National High-End Foreign Expert (Category B), Shanghai University of Sport, Shanghai, China |
| 2016 | Service Recognition Award, SHAPE America, Measurement & Evaluation Special Interest Group (former M&E Council) |
| 2014 | Outstanding Service Award, ICSPAH |
| 2013 | Reviewer of the Year Award, Journal of Measurement in |

Physical Education and Exercise Science (MPEES), SHAPE America

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| 2012 | Emerging Professional Award, Western Society for Physical Education of College Women (WSPECW) |
| 2012 | “Fellow”, Research Consortium, AAHPERD |
| 2008 | Research Consortium's 2008 Graduate Student Award, AAHPERD, USA |
| 2007 | M&E 2007 Graduate Student Scholarship (\$1,000), AAHPERD, USA |
| 2007 | Robert L. Sprague Thesis Award (\$1,000), Department of Kinesiology and Community Health, UIUC |

II. TEACHING

A. Boise State University Teaching Assignments

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| Kines 301 | Measurement & Evaluation in Kinesiology (Undergraduate course) |
| Kines 551 | Research Methods in Kinesiology (Graduate course) |
| Kines/Health 552 | Applied Statistical Methods (Graduate course) |

B. Courses taught/TA-ed at UIUC

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| Kines 401 | Measurement & Evaluation in Kinesiology (Undergraduate course) |
| CHH 421 | Health data analysis (Undergraduate course) |

C. Theses and/or Dissertations Directed or Co-directed

Dissertation (In Progress)

1. Jon Hart. The effects of kinesio tape on grip strength and rate of fatigue. (Committee Member).

Master Thesis (Completed)

1. DJ McDonough. Effects of creatine hydrochloride supplementation on muscular strength, power and body-composition gains. Boise State University, ESS Degree, Fall 2017. (Committee Member).

2. Taylor Thompson. Serum Ferritin's Relationship to Training Reduction among College Distance Runners. Boise State University, ESS Degree, Summer 2016. (Committee Member).
3. Takahisa Koide. Physiological changes in firefighting training officers during the live-fire training. Boise State University, ESS Degree, Spring 2015. (Committee Member).
4. Audrey Coon. Predicting college women rowers' motivation and persistence: A self-determination theory approach. Boise State University, ESS Degree, Spring 2015. (Committee Member).
5. Jeff Eggleston. Golf swing performance enhancement through attentional focus instruction in lower skilled golfers. Boise State University, ESS Degree, Summer 2014. (Committee Member).
6. Kristi Bercier. Weight loss training protocol using the AlterG Antigravity Treadmill for overweight and obese Individuals. Boise State University, ESS Degree, Summer 2014. (Committee Member).
7. Claudia Chavez. Decreasing movement variability in the ankle joint in novice cyclists. Boise State University, ESS Degree, Fall 2013. (Committee Member).
8. Kevin R. Peters. An examination of finishing time variation for collegiate cross country national championships by gender. Boise State University, ESS Degree, Fall 2012. (Committee Member).
9. Kaman Leung. Examining correlates of physical activity in Boise State University students. Boise State University, ESS Degree, Summer 2012. (Committee Member).
10. Daniel Gragert. The validity of functional obstacle course as a tool to diagnose fall-risks in older adults. Boise State University, ESS Degree, Fall 2011. (Committee Member).
11. Callie Gunderson. Transition speed and relevance of loading, muscular fatigue, and human kinematics: A comparison of human gait patterns. Boise State University, ESS Degree, Spring 2011. (Committee Member).
12. Monique L. Schaal. Physiologic performance test differences between varsity high school and division I female volleyball athletes- A comparative study. Boise State University, ESS Degree, Spring 2011. (Committee Member).
13. Elizabeth Ellsworth. Revisiting the Margaria-Kalamen staircase test: Establishing reliability and validity for recreational master athletes. Boise State University, ESS Degree, Spring 2011. (Committee Member).
14. Josh Grieser. Determining intensity levels for selected Wii Fit activities in college-aged individuals. Boise State University, ESS Degree, Spring 2010. (Committee Chair).
15. Zoe Hewett. An examination of the effects of Bikram yoga on mindfulness and physical fitness. Boise State University, ESS Degree, Spring 2010. (Committee Member).

16. Michael Ray. The effects of walking on measures of depression and anxiety with court-ordered clients. Boise State University, ESS Degree, Spring 2010. (Committee Member).
17. Anand Date. Effects of Olympic lifts training on lactate production. Boise State University, ESS Degree, Fall 2009. (Committee Member).
18. David Gonzalez. Criterion validity of the air displacement plethysmography technique in the assessment of percent body fat. Boise State University, ESS Degree, Fall 2009. (Committee Member).

III. SCHOLARLY ACTIVITY

A. Refereed Journal Articles

Manuscripts published/in press/accepted

1. Chen, H., Dai, J., & **Gao, Y.** (2017). Measurement invariance and latent mean differences of the Chinese version physical activity self-efficacy scale across gender and education levels. *Journal of Sport and Health Science*. DOI: <https://doi.org/10.1016/j.jshs.2017.01.004>. [Impact Factor: 1.685]
2. Chen, H., Housner, L., & **Gao, Y.** (2016). The influence of weight change on physical fitness from childhood to adolescence. *Measurement in Physical Education and Exercise Science*. DOI: 10.1080/1091367X.2016.1262379.
3. **Gao, Y.**, Sun, H., Zhuang, J., Zhang, J., Ransdell, L., Zhu, Z., & Wang, S. (2016). Metabolic equivalents of selected sedentary and physical activities in Chinese youth. *Journal of Physical Activity and Health*, 13(6 Suppl 1), S48-52. [Impact Factor: 1.884]
4. Leung, K., Ransdell, L. B., **Gao, Y.**, Shimon, J., & Lucas, S. (2016). A regression model to examine predictors of physical activity on college campuses. *California Journal of health Promotion*, 14(1): 44-56.
5. Leung K., **Gao, Y.**, Chung, P. K., & Ransdell, L. B. (2016). Evaluation of the psychometric properties of the parents' proxy MPAQ-C in Chinese population. *Measurement in Physical Education and Exercise Science*. 20(2), 112-120. doi: 10.1080/1091367X.2016.1146144
6. Paxton, R. J., Jean-Pierre, P., Park, S. H., **Gao, Y.**, Herrmann, S. D., & Norman, G. J. (2016). The Construct and Predictive Validity of Psychosocial Correlates of Television Viewing. *Journal of Health Disparities Research and Practice*, 9(1), 46-59.
7. Sun, H., & **Gao, Y.** (2016). Impact of an active educational video game on children's motivation, science knowledge earning, and physical activity. *Journal of Sport and Health Science*, 5(2), 239-245. doi:10.1016/j.jshs.2014.12.004. [Impact Factor: 1.685]
8. Paxton, R. J., **Gao, Y.**, Herrmann, S. D., & Norman, G. J. (2015). Measurement properties of sedentary behavior strategy management instrument in a population of

- African American breast cancer survivors. *American Journal of Health Behavior*, 39(2): 174-181.
9. Pope, Z., **Gao, Y.**, Bolter, N., & Pritchard, M. (2015). Validity and reliability of disordered eating assessments used with athletes: A review. *Journal of Sport and Health Science*, 4(3), 211-221. <http://dx.doi.org/10.1016/j.jshs.2014.05.001>. [Impact Factor: 1.685]
 10. Paul, D., Scruggs, P., Goc Karp, G., Ransdell, L., Robinson, C., Lester, M., **Gao, Y.**, Petranek, L., Brown, H., & Shimon, J. (2014). Developing a statewide childhood body mass index surveillance program. *Journal of School Health*, 84(10): 661-667. [Impact Factor: 1.05]
 11. Dellaserra, C., **Gao, Y.**, & Ransdell, L. B. (2014). Use of integrated technology in team sports: A review of opportunities, challenges, and future directions for athletes. *Journal of Strength and Conditioning Research*, 28(2): 556-573. [Impact Factor: 1.978]
 12. Haywood, S. D., Goode, T., **Gao, Y.**, Smith, K., Bronheim, S., Flocke, S., & Zyzansky, S. (2014). Psychometric evaluation of a cultural competency assessment instrument for health professionals. *Medical Care*, 52(2): e7-e15. doi: 10.1097/MLR.0b013e31824df149. [Impact Factor: 5.723]
 13. Monique L. S., Ransdell, L. B., Simonson, S. & **Gao, Y.** (2013). Physiologic performance test differences by competition level and player position in female volleyball athletes. *Journal of Strength and Conditioning Research*, 27(7):1841–1850. [Impact Factor: 1.978]
 14. Huberty, J. L., Vener, J., **Gao, Y.**, Matthews, J. L., Ransdell, L. B., & Elavsky, S. (2013). Developing an instrument to measure physical activity related self-worth in women: Rasch analysis of the Women's Physical Activity Self-Worth Inventory (WPASWI). *Psychology of Sport & Exercise*, 14(1): 111–121. [Impact Factor: 2.538]
 15. Ransdell, L. B., Murray, T., & **Gao, Y.** (2013). Off-ice fitness of elite female ice hockey players by team success, age, and player position. *Journal of Strength and Conditioning Research*, 27(4): 875-84. [Impact Factor: 1.978]
 16. Date, A., Simonson, S., Ransdell, L. B., & **Gao, Y.** (2013). Lactate response to different volume patterns of power clean. *Journal of Strength and Conditioning Research*, 27(3): 604-610. [Impact Factor: 1.978]
 17. Zhu, W., Nedovic-Budic, Z., Olshansky, R., Marti, J., **Gao, Y.**, Park, Y., McAuley, E., & Chodzko-Zajko, W. (2013). Agent-based modeling of physical activity behavior and environmental correlations: An introduction and illustration. *Journal of Physical Activity and Health*, 10(3): 309-22. [Impact Factor: 1.884]
 18. Huberty, J. L., Ehlers, D. K., Coleman, J. D., **Gao, Y.** & Elavsky, S. (2013). Women Bound to Be Active: Differences in long-term physical activity between completers and non-completers of a book club intervention. *Journal of Physical Activity & Health*, 10(3): 368-78. [Impact Factor: 1.884]

19. Wang, R. W., Wang, Y. X., Wang, H., Maley, M., **Gao, Y.**, & Zhu, W. (2012). Effect of six-month self-controlled exercise on expressions of erythrocyte CD₃₅ and CD₅₈ in malignant tumor patients during rehabilitation after surgery. *China Sport Science*, 32(12), 50-54.
20. **Gao, Y.**, Mack, M., Ragan, M., & Ragan, B. (2012). Differential item functioning analysis of the mental, emotional, and bodily toughness inventory. *Measurement in Physical Education and Exercise Science*, 16(3): 203-218.
21. Grieser, J., **Gao, Y***, Ransdell, L. B., & Simonson, S. (2012). Determining intensity levels for selected Wii Fit activities in college-aged individuals. *Measurement in Physical Education and Exercise Science*, 16(2): 135-150. (*: **Corresponding Author**)
22. Reynolds, M., Ransdell, L. B., Lucas, S. Petlichkoff, L., & **Gao, Y.** (2012). An examination of current practices and gender differences in strength and conditioning in a sample of varsity high school athletic programs. *Journal of Strength and Conditioning Research*, 26(1): 174-183. [Impact Factor: 1.978]
23. Sidman, C. L., Huberty, J. L., & **Gao, Y.** (2011). Observation of step count patterns of women participating in a healthy lifestyle book club intervention. *Women in Sport and Physical Activity Journal*, 20(2): 51-64.
24. Hewett, Z., Ransdell, L. B., **Gao, Y.**, Lucas, S., & Petlichkoff, L. (2011). An examination of the effectiveness of an 8-week Bikram yoga program on mindfulness, perceived stress and physical fitness. *Journal of Exercise Science and Fitness*, 9(2):87-92. [Impact Factor: 0.421]
25. Hoeger, W. K., Gonzalez, D., Ransdell, L. B., & **Gao, Y.** (2011). A Comparison of air displacement plethysmography and hydrostatic weighing techniques for the assessment of percent body fat in adults by gender and BMI category. *International Journal of Body Composition Research*, 9(3): 89-94.
26. **Gao, Y.**, & Zhu, W. (2011). Differential item functioning analysis of the 2003-04 NHANES physical activity questionnaire. *Research Quarterly for Exercise and Sport*, 82(3): 381-390. [Impact Factor: 1.702]
27. **Gao, Y.**, & Zhu, W. (2011). Identifying group sensitive physical activities: A Differential item functioning analysis of NHANES data. *Medicine & Science in Sport & Exercise*, 43(5): 922-929. [Impact Factor: 4.041]
28. Huberty, J. L., Vener, J., Ransdell, L. B., Schulte, L., Budd, M. A., & **Gao, Y.** (2010). Women Bound to be Active (Cohorts 3 & 4): Can a book club help women overcome barriers to physical activity and improve self-worth? *Women and Health*, 50(1), 88-106. [Impact Factor: 1.377]
29. Xiang, H.Y., Wang, R.W., Zhang, X.X., Zhu, W., & **Gao, Y.** (2010). Comparative study on the relationship between middle-aged women's physical activities and their health in Shanghai and in Illinois. *Sports Forum*, 9(2), 47-48, 73.
30. **Gao, Y** & Zhu, W. (2008). Meeting physical activity recommendation or not: Depends on the method. *Research Quarterly for Exercise and Sport*, 79(suppl): A-xix-Axxi. doi:10.1080/02701367.2008.10599471. [Impact Factor: 1.702]

31. Wang, R. W., **Gao, Y.**, Lu, A. Y., Duan, Z. C., Guo, S. D., & Cai, B. (2003). Effects of high intensity exercise training on sex hormone and BMD in female rats. *Chinese Journal of Sports Medicine*, 22(2), 121-125.
32. Chen, J. Z., Wang, R. W., Chang, S., Zhuang, J., **Gao, Y.**, Guo, S. D., et al. (2002). Investigation and Analysis on Health Indices and Sport Behavior of Women at Age of 40 to 70 in Shanghai. *Journal of Shanghai Physical Education Institute*, 25(3), 31-34.
33. **Gao, Y.**, & Wang, R. W. (2001). Effect of exercises on bone mineral density. *Journal of Shanghai Physical Education Institute*, 25(3), 37-41.
34. Wang, R. W., Lu, A. Y., Guo, S. D., & **Gao, Y.** (2001). Changes of β -EP and sex hormone in hypothalamus pituitary and plasma of rats under athletic menstrual cycle irregularities. *Journal of Shanghai Physical Education Institute*, 25(3), 31-36.
35. Wang, R. W., Lu, A. Y., Guo, S. D., **Gao, Y.**, & Duan, Z. C. (2001). The changes of Ultrastructure of Hypothalamus-Pituitary Axis for athletic menstrual cycle irregularities in rats. *Chinese Journal of Sports Medicine*, 20(3), 260-262.
36. Wang, R. W., Lu, A. Y., Guo, S. D., **Gao, Y.**, Cai, B., & Duan, Z. C. (2001). Expression of GnRH-R in progressive loads training for rats and its relation with sex hormone. *Journal of Shanghai Physical Education Institute*, 25(2), 26-29.
37. Zhuang, J., Wang, R. W., Chen, J. Z., Tan, X. Y., Guo, S. D., Cai, B., Duan, Z. C., & **Gao, Y.** (2001). Investigation and Analysis on Physical Fitness of Old and Middle aged Women in Shanghai. *Journal of Shanghai Physical Education Institute*, 25(2), 36-39.
38. Wang, R. W., Lu, A. Y., Chen, P. J., Guo, S. D., Cai, B, **Gao, Y.**, & Duan Z. C. (2000). Foundation of rat model of athletic secondary amenorrhoe by endurance training with incremental intensity. *Chinese Journal of Sports Medicine*, 19(3), 293-296.

B. Research Presentations

Invited Presentations

1. **Gao, Y.** (June-July, 2018). Physical activity among American college students and a university's healthy campus initiative. Chengdu Sports University, Chengdu, China; Hunan Normal University, Changsha, China; Northwestern Polytechnical University, Xi'an, China;
2. **Gao, Y.** (July, 2017). Application of measurement and evaluation in sports and health sciences – Large scale examples. College of Huaihua, Huaihua, China; Northwestern Polytechnical University, Xi'an, China; Xinjiang Normal University, Wulumuqi, China;
3. **Gao, Y.** (Oct, 2016). Measurement and statistical considerations when conducting research in sports setting. Conference for Sports and Performance Analysis (CSPA), Seoul, Korea.

4. **Gao, Y.** (Sept, 2016). Measurement and evaluation: The key for decision making. Beijing Sport University, East China Normal University, Northwestern Polytechnical University, Shanghai Normal University, Shanghai University of Finance and Economics, & Shanghai University of Sport, Beijing, Xi'an & Shanghai, China.
5. **Gao, Y.** (Sept, 2014). The application of integrated technology in team sports. The 13th annual conference of the Society of Chinese Scholars on Exercise Physiology and Fitness, Shijiazhuang, Hebei, China. (**Keynote**).
6. **Gao, Y.** (Sept, 2014). The application of integrated technology in team sports. The 2014 International Conference on Sports Science, Hong Kong, China. (**Keynote**)
7. **Gao, Y.** (July, 2013). Measurement and statistical considerations in grant writing. Montana State University, Bozeman, Montana.
8. **Gao, Y.** (March, 2010). Item response theory (IRT) and Rasch modeling: A presentation of modern measurement theory in primary care research. Case Western Reserve University Family Medicine Research Division, Cleveland, Ohio.

Refereed Conference Presentations (National & International)

1. McDough, D., Simonson, S., **Gao, Y.**, & Conger, S. (May, 2018). Oral creatine hydrochloride supplementation: Acute effects on intermittent, submaximal bouts of resistance exercise. Paper presented at the 65th American College of Sports Medicine annual meeting, Minneapolis, USA.
2. He, Y., Ward, P., Wang, X., & **Gao, Y.** (March, 2017). Rasch assessment of a common content knowledge test for soccer. Paper presented at the SHAPE America National Convention, Boston, Massachusetts.
3. **Gao, Y.**, Sun, H., & Ransdell, L. (May, 2016). NHANES Grip Test Measured Muscular Strength of American Adults. Paper presented at the 63rd American College of Sports Medicine annual meeting, Boston, Massachusetts.
4. Bolter, N., **Gao, Y.**, Armstrong, K., Conger, S., Beeson, S., Flint-Wagner, H. (May, 2016). Parents' knowledge, attitudes, and behaviors toward beverage consumption at children's sport events. Paper presented at the 63rd American College of Sports Medicine annual meeting, Boston, Massachusetts.
5. **Gao, Y.**, & Sun, H. (May, 2015). Strength fitness levels of American children and adolescents. Paper presented at the 62nd American College of Sports Medicine annual meeting, San Diego, CA.
6. Sun, H., & **Gao, Y.** (May, 2015). Cardiovascular fitness levels of American adolescent in 2012 NNYFS. Paper presented at the 62nd American College of Sports Medicine annual meeting, San Diego, CA.

7. **Gao, Y.**, Sun, H., & Ding, L. (March, 2015). Sagittal abdominal diameter measured visceral obesity in American adults. Paper presented at the 2015 SHAPE America National Convention, Seattle, WA.
8. **Gao, Y.**, Conger, S., Sun, H., & Pope, Z. (May, 2014). Prevalence of low back pain by physical activity domains in the U.S. Paper presented at the 61st American College of Sports Medicine annual meeting, Orlando, Florida.
9. Bercier, K., Simonson, S., **Gao, Y.**, & Shimon, J. (May, 2014). Effect of weight loss training protocol using two treadmills for obese individuals. Paper presented at the 61st American College of Sports Medicine annual meeting, Orlando, Florida.
10. Pope, Z., Sun, H., Tan, T.X., & **Gao, Y.** (May, 2014). Physical activity and weight status among Asian American children and adolescents. Paper presented at the 61st American College of Sports Medicine annual meeting, Orlando, Florida.
11. **Gao, Y.**, Pope, Z., Herrmann, S.D., Paxton, R. J., & Sun, H. (April, 2014). Associations between sedentary time and physical functioning. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, St. Louis, Missouri.
12. Herrmann, S.D., **Gao, Y.**, Lambourne, K., Willis, E. A., Paxton, R. J., & Donnelly, J.E. (April, 2014). Calibrating the three-factor eating questionnaire using Rasch modeling. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, St. Louis, Missouri.
13. Chen, H., Housner, L., & **Gao, Y.** (April, 2014). Physical fitness across weight categories among children and young adolescents. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, St. Louis, Missouri.
14. Shimon, J.M. & **Gao, Y.** (April, 2014). Rasch analysis of the physical activity enjoyment scale among adolescents. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, St. Louis, Missouri.
15. Leung, K., Chung, P., **Gao, Y.**, & Ransdell, L.B. (April, 2014). Validity and reliability of modified physical activity questionnaire for children. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, St. Louis, Missouri.
16. **Gao, Y.**, Paxton, R., J., & Norman, G. (May, 2013). Rasch analysis of the sedentary behavior strategy management scale in African American breast cancer survivors. Paper presented at the 60th American College of Sports Medicine annual meeting, Indianapolis, Indiana.
17. Paxton, R., J., **Gao, Y.**, Norman, G. & Taylor, W.C. (May, 2013). Psychosocial correlates of sedentary behavior: Are they reliable and valid in minority cancer survivors? Paper presented at the 60th American College of Sports Medicine annual meeting, Indianapolis, Indiana.

18. **Gao, Y.**, Sun, H., & Ransdell, L. B. (April, 2013). Rasch analysis to assess appropriateness of the NHANES depression screener. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Charlotte, North Carolina.
19. **Gao, Y.** (April, 2013). Conducting Research with Female Athletes: Strategies for Success -- Statistical considerations when conducting research with female athletes. Symposium paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Charlotte, North Carolina.
20. Peters, K. R., Petlichkoff, L., **Gao, Y.**, Lucas, S., & Ransdell, L. B. (April, 2013). Finishing times variation for cross country national championships by gender. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Charlotte, North Carolina.
21. Leung, K., Ransdell, L. B., **Gao, Y.**, Shimon, J., & Lucas, S. (April, 2013). Predictors of physical activity in non-traditional aged college students. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Charlotte, North Carolina.
22. Gragert, D., Gibson, T., **Gao, Y.**, & Ransdell, L. B. ((April, 2013). Examining measurement properties of a novel fall risk assessment tool. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Charlotte, North Carolina.
23. Sun, H., Shen, J., **Gao, Y.**, & Shi, W. (April, 2013). Influence of pre-service teachers' motivational profiles on students' need satisfaction. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Charlotte, North Carolina.
24. Dellaserra, C., Ransdell, L. B., & **Gao, Y.** (April, 2013). Integrated technology (IT): Practical implications for field-based team sports. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Charlotte, North Carolina.
25. Pope, Z., **Gao, Y.**, Bolter, N., & Pritchard, M. (April, 2013). Validity and reliability of disordered eating assessment tools in athletes: A review. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Charlotte, North Carolina.
26. Huberty, J. L., Vener, J., **Gao, Y.**, Jergenson, A., Helseth, A., & Ransdell, L. B. (April, 2012). Rasch analysis of the physical activity self-worth inventory: An instrument to measure physical activity related self-worth in women. Paper presented at the 33rd Society of Behavioral Medicine Annual Meeting, New Orleans, Louisiana.
27. Leung, K., **Gao, Y.**, Chung, P., & Ransdell, L. B. (March, 2012). Parental influence on children's physical activity in Hong Kong. Paper presented at the 12th Measurement and Evaluation Symposium at the AAHPERD, Boston, Massachusetts.

28. **Gao, Y.**, Gunderson, C., Schaal, M., Simonson, S., Larsen, K., & Kennedy, K. (March, 2012). Variation of walking METs among individuals in different weight categories. Paper accepted by the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Boston, Massachusetts. (**Not presented due to convention cancellation**)
29. Kennedy, K., **Gao, Y.**, Gunderson, C., Schaal, M., Simonson, S., & Larsen, K. (March, 2012). A comparison of ActiGraph activity counts in controlled and perceived speed walking across weight categories. Paper accepted by the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Boston, Massachusetts. (**Not presented due to convention cancellation**)
30. Grieser, J. D., **Gao, Y.**, Ransdell, L. B., & Simonson, S. (March, 2012). Determining intensity levels for Selected Wii Fit activities in college aged individuals. Paper accepted by the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Boston, Massachusetts. (**Not presented due to convention cancellation**)
31. Spear, C., **Gao, Y.**, Yang, D., & Jorgensen, S. (Nov, 2011). The influence of organizational shift of mission on faculty's use of technology. Paper presented at the 2011 annual meeting of Association for Educational Communications and Technology, Jacksonville, Florida.
32. Sylofski, D., Huberty, J. L., & **Gao, Y.** (April, 2011). Women Bound to be Active: Effect of a book club intervention on women's physical activity and self-worth at one-year follow-up. Paper presented at the 32nd Society of Behavioral Medicine Annual Meeting, Washington, D.C.
33. Huberty, J. L., Vener, J., **Gao, Y.**, Matthews, J. L., & Ransdell, L. B. (April, 2011). Preliminary development of the physical activity self-worth inventory: A Rasch analysis. Paper presented at the 32nd Society of Behavioral Medicine Annual Meeting, Washington, D.C.
34. **Gao, Y.** (March, 2011). Measurement in physical activity interventions: An overview. Symposium paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, San Diego, California.
35. **Gao, Y.**, Spear, C., & Ransdell, L. B. (March, 2011). Correlates of stress in college students using the ACHA sample. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, San Diego, California.
36. **Gao, Y.**, & Haywood, S. D. (November, 2010). Applications of item response theory (IRT) and Rasch modeling in primary care research. Workshop paper presented at the 88th North American Primary Care Research Group Annual Meeting, Seattle, Washington.
37. Haywood, S. D., **Gao, Y.**, Goode, T., Bronheim, S., Smith, K., Zyzanski, S., & Flocke, S. (November, 2010). Differential item functioning analysis of the cultural competence health practitioner assessment. Presentation paper presented at the 88th North American Primary Care Research Group Annual Meeting, Seattle, Washington.

38. Ray, M., Petlichkoff, L., Spear, C., & **Gao, Y.** (2010, October). The effects of walking on measures of depression and anxiety with court-ordered clients. Poster presentation presented at the annual meeting of the Association for Applied Sport Psychology, Providence, RI.
39. **Gao, Y.**, Sun, H., & Ransdell, L. B. (June, 2010). Accelerometer-measured physical activity levels of American adults by BMI category. Paper presented at the 57th American College of Sports Medicine's Annual Meeting, Baltimore, Maryland.
40. **Gao, Y.**, & Zhu, W. (June, 2010). Physical activity energy expenditure by activity domains in US populations. Paper presented at American College of Sports Medicine's World Congress on Exercise Is Medicine, Baltimore, Maryland.
41. Sun, H., **Gao, Y.**, Ransdell, L. B., & Johnson, T. (June, 2010). Objective measurement of physical activity levels of US children by BMI category. Paper presented at American College of Sports Medicine's World Congress on Exercise Is Medicine, Baltimore, Maryland.
42. Hoeger, W. K., & **Gao, Y.** (June, 2010). Do weak abdominal strength and low hip and trunk flexibility increase the incidence of low-back pain? Paper presented at the 57th American College of Sports Medicine's Annual Meeting, Baltimore, Maryland.
43. Gonzalez, D., Hoeger, W. K., Ransdell, L. B., & **Gao, Y.** (June, 2010). Criterion validity of the air displacement plethysmography technique in the assessment of percent body fat. Paper presented at the 57th American College of Sports Medicine's Annual Meeting, Baltimore, Maryland.
44. **Gao, Y.** (March, 2010). DIF methods for physical activity disparity research. Symposium paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Indianapolis, Indiana.
45. **Gao, Y.**, & Zhu, W. (May, 2009). Identifying culturally sensitive physical activities using DIF analysis. Paper presented at the 56th American College of Sports Medicine's Annual Meeting, Seattle, CA.
46. Zhu, W., Wang, R. W., Yuan, Z. P., Lu, H. J., Fan, L. L., **Gao., Y.**, et al. (May, 2009). Energy expenditure characteristics of Guo Lin Qi-gong exercise in cancer survivors: A preliminary report. Paper presented at the 56th American College of Sports Medicine's Annual Meeting, Seattle, Washington.
47. Wang, R. W., Zhu, W., Yuan, Z. P., Lu, H. J., Fan, L. L., **Gao., Y.**, et al. (May, 2009). Effects of long-term Guo Lin Qi-gong practice on cancer survivors' quality of life and aerobic capacity: A preliminary report. Paper presented at the 56th American College of Sports Medicine's Annual Meeting, Seattle, Washington.
48. **Gao, Y.**, & Zhu, W. (March, 2009). Differential item functioning analysis of physical activity disparities in the USA. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Tampa, Florida.

49. **Gao, Y., & Zhu, W.** (March, 2009). Hierarchical linear modeling for dyadic data analysis. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Tampa, Florida.
50. **Gao, Y., & Zhu, W.** (May, 2008). DIF Detection of Activity Items across Non-Hispanic Whites and Hispanics in NHANES Physical Activity Questionnaire. Paper presented at the 55th American College of Sports Medicine's Annual Meeting, Indianapolis, Indiana.
51. Zhu, W., Nedovic-Budic, Z., Olshansky, R., **Gao, Y.**, Park, Y., Chandrasekhar, D., McAuley, E., & Chodzko-Zajko, W. (May, 2008). Neighborhood characteristics and older adults' walking behavior: A preliminary report. Paper presented at the 55th American College of Sports Medicine's Annual Meeting, Indianapolis, Indiana.
52. **Gao, Y., & Zhu, W.** (April, 2008). Meeting physical activity recommendation or not: Depends on the method. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Fort Worth, Texas.
53. **Gao, Y., & Zhu, W.** (October, 2007). DIF analysis of specific activity items used in NHANES 2003-2004 physical activity questionnaire. Paper presented at the Cooper Institute 2007 Scientific Conference, Dallas, Texas.
54. **Gao, Y., & Zhu, W.** (June, 2007). Walk tests to predict VO₂max: A review. Paper presented at the 54th American College of Sports Medicine Annual Meeting, New Orleans, Louisiana.
55. Zhu, W., Hasegawa-Johnson, M., Kantor, A., Roth, D., **Gao, Y.**, Youngsik, P., & Yang, L. (June, 2007). E-coder for automatic scoring physical activity diary data: Development and validation. Paper presented at the 54th American College of Sports Medicine Annual Meeting, New Orleans, Louisiana.
56. **Gao, Y., & Zhu, W.** (March, 2007). Potential application of generalized estimating equation method in physical activity research: A tutorial. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Baltimore, Maryland.
57. Park, Y., Zhu, W., & **Gao, Y.**, (March, 2007). Coder agreement in scoring physical activity diary data using the Compendium. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Baltimore, Maryland.
58. Zhu, W., **Gao, Y.**, Youngsik, P., Yang, L., & Chandrasekhar, D. (March, 2007). RC grant findings: Development and validation of a walking space measure. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Baltimore, Maryland.
59. Lee, M., Zhu, W., Yang, L., **Gao, Y.**, Hedrick, B., Frogley, M. & Gilbert, M. (April, 2006). Physical and psychological profiles of wheelchair athletes. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Salt Lake City, Utah.

60. Park, Y., **Gao, Y.**, & Zhu, W. (Oct, 2005). Accuracy of Armband in Measuring Walking Steps. Paper presented at the Walking for Health: Measurement and Research Issues and Challenges (ACSM-UIUC Kinesmetrics Symposium Series), Champaign/Urbana, Illinois.
61. Yang, L., Park, Y., **Gao, Y.**, & Zhu, W. (Oct, 2005). Impact of Daily Variation and Measurement Device on Estimating Walking Behavior: A Generalizability Study. Paper presented at the Walking for Health: Measurement and Research Issues and Challenges (ACSM-UIUC Kinesmetrics Symposium Series), Champaign/Urbana, Illinois.
62. **Gao, Y.**, Boscolo, M. S., Krahling, H., Zhu, W., & Lee, M. (June, 2005). Step-count accuracy and instrument equivalence of McDonalds' stepometers. Paper presented at the 52nd American College of Sports Medicine Annual Meeting, Nashville, Tennessee.
63. Lee, M., Zhu, W., **Gao, Y.**, Hedrick, B., Crawford, J., Gilbert, M., Frogley, M., & Morse, M. (June, 2005). Preliminary validity evidence of a trunk push-up test for individuals with spinal cord injury. Paper presented at the American College of Sports Medicine annual meeting, Nashville, Tennessee.
64. **Gao, Y.**, Zhu, W. (April, 2005). Issues of MET Scoring in Obesity. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Chicago, Illinois.
65. **Gao, Y.**, Lee, M., Zhu, W., Ragan, B., & Yilmaz, T. T. (April, 2004). Physical activity space of blind individuals: A preliminary investigation. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, New Orleans, Louisiana.
66. **Gao, Y.**, & Zhu, W. (April, 2004). Score Reporting in Test. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, New Orleans, Louisiana.
67. **Gao, Y.**, Zhu, W., Lee, M., & Ragan, B. (Oct, 2003). Determinants of ADL of the oldest-old Chinese. Paper presented at the 10th Measurement and Evaluation Symposium: Measurement Issues and Challenges in Aging Research. Urbana, IL.
68. Lee, M., Zhu, W., **Gao, Y.**, & Ragan, B. (Oct, 2003). Culture and ADL measure of the Chinese older adults. Paper presented at the 10th Measurement and Evaluation Symposium: Measurement Issues and Challenges in Aging Research. Urbana, IL.
69. **Gao, Y.**, & Zhu, W. (April, 2003). The Angoff method and its extensions for setting cut-off scores. Paper presented at the American Alliance for Health, Physical Education, Recreation and Dance National Conference, Philadelphia, Pennsylvania.

C. Research Grants/Contracts

Grants/Contracts Funded

1. **Gao, Y.** (2014-2018, PI). Developing diagnosis algorithms for lumbosacral radiculopathy, neurogenic claudication, and low back pain using decision tree analysis (\$159,833.00). St. Luke's Hospital System.
2. Gutman, R., & **Gao, Y.** (2014, Co-I). Development of a patient-centered pelvic floor complication scale (\$25,000). Georgetown-Howard Universities Center for Clinical and Translational Science (GHUCCTS).
3. **Gao, Y.** (2010, PI). Appraisal and Diagnostic Delay of Colon Cancer (\$11,910). Case Western Reserve University, USA.
4. **Gao, Y.** (2009, PI). Determining METs for overweight and obese American adults (\$5,000). Faculty Research Grant, College of Education, Boise State University (BSU).
5. **Gao, Y.**, & Zhu, W. (2008, PI). Differential item functioning analysis of physical activity disparities in USA. AAHPERD Research Consortium Graduate Student Grant (\$3,000), USA.

IV. SERVICE

A. University Service Activities

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|------------------------|--|
| 2018 | Intramural Pilot Project Program (IP3) Review Committee member, College of Health Sciences, Boise State University |
| 2018 | Faculty Mentor, BSU Interdisciplinary Mentoring program |
| 2018 | Department Biomedical Engineer Position Search Committee member |
| 2017 – 2018 | Department Strategic Planning Committee member |
| 2015, 2017, 2018 | Tenure & Promotion Committee member, College of Health Sciences, Boise State University |
| 2015 – 2016 | Faculty Mentor, BSU Interdisciplinary Mentoring program |
| 2015 Sept – 2016 Feb | Department Sport & Exercise Psychology Position Search Committee member |
| 2014 August – 2015 Feb | Department Biomechanics Position Search Committee member |
| 2013 – 2015 | TA Orientation International TA session faculty advisor, BSU Center for Teaching & Learning |
| 2013 – 2014 March | College of Education (COE) Dean Search Committee member |
| 2013 | Faculty Mentor, BSU Interdisciplinary Mentoring program |
| 2013 | BSU Student Research Initiative Reviewer |
| 2012- 2014 December | Phi Kappa Phi Program undergraduate writing contest COE |

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| | representative |
| 2011 | COE Reviewer for the Phi Kappa Phi Program undergraduate writing contest |
| 2010 – 2016 (July) | Appellate Board, Office of Student Rights and Responsibilities, Boise State University |
| 2009 – 2010 (May) | Tenure & Promotion Committee, College of Education, Boise State University |
| 2009 – 2017 | Tenure & Promotion Committee, Department of Kinesiology, Boise State University |
| B. Professional Organizations | |
| 2018 | President , the International Chinese Society for Physical Activities and Health (ICSPAH) |
| 2017 | President-Elect , the International Chinese Society for Physical Activities and Health (ICSPAH) |
| 2016 - 2018 | 3 rd & 4 th ICSPAH Conferences Organization Committee Chair , the International Chinese Society for Physical Activities and Health (ICSPAH) |
| 2015 – 2016 | Measurement and Evaluation (M&E) Special Interest Group (SIG) Leadership Team , SHAPE America |
| 2014 | Review Panel Chair , Motor Behavior & Measurement Category of the Research Council for the 2015 SHAPE America National Convention |
| 2013 – 2015 Apr | Chair , Measurement and Evaluation Council (Now M&E SIG), AAHPERD (Now SHAPE America) |
| 2013, 2014 | 1 st & 2 nd ICSPAH Conference Organization Committee Chair , the International Chinese Society for Physical Activities and Health (ICSPAH) |
| 2012 – 2013 | Chair-Elect, Measurement and Evaluation Council, AAHPERD |
| 2012 – current | Research Council Grant Committee , SHAPE America |
| 2011 – 2014 | Executive Committee Member , the International Chinese Society for Physical Activities and Health (ICSPAH) |
| 2011 (March) | Expert panel, the Division of Nutrition, Physical Activity, and Obesity at Center for Disease Control and Prevention (CDC) |
| 2010 – 2013 | Member of AAPAR Awards & Nominations Committee, AAHPERD |
| 2010 – 2012 | Secretary of the Measurement and Evaluation Council |

Executive Committee, AAHPERD

2009 -- 2012 Review panel, Measurement for the Research Consortium
2010 -2013 AAHPERD Convention Programs

2009 -- 2012 Review panel, Measurement for AAPAR 2010 -2013
AAHPERD Convention Programs

2008 – 2010 Member of Advisory Committee for the Measurement and
Evaluation Council, AAHPERD

C. Editorial Board & Journal Reviewer

2015 June – current **Section Editor**, *Journal of Measurement in Physical
Education and Exercise Science*

2015 Reviewer for *Journal of Women and Health*

2014 – current **Editorial Board Member**, *Journal of Measurement in
Physical Education and Exercise Science*

2013 – current **Associate Editor**, *Research Quarterly for Exercise and Sport*

2013 – current Reviewer for *Psychology of Sport & Exercise*, and *Adapted
Physical Activity Quarterly*

2012 – current Reviewer for *International Journal of Sport and Exercise
Psychology*, *Journal of Science and Medicine in Sport*, and
Journal of Athletic Training

2011 Guest Associate Editor (Measurement), *Research Quarterly
for Exercise and Sport*

2011 – current Reviewer for *Journal of Teaching in Physical Education*

2010 – current Reviewer for *Journal of Physical Activity & Health*

2009 – current Reviewer for *Research Quarterly for Exercise and Sport*,
Journal of Sport & Exercise Psychology, *Measurement in
Physical Education and Exercise Science*, *Athletic Training &
Sports Health Care*, and *American Journal of Lifestyle
Medicine*

2008 – 2010 Reviewer for *Women in Sport and Physical Activity Journal*

D. Community Service

2018- current **President**, Idaho Chinese Organization

2017- 2018 **President-Elect**, Idaho Chinese Organization

2015- current Idaho Chinese Organization Council Member