

CURRICULUM VITAE  
***DEREK T. SMITH***

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**Education**

2003	University of Colorado, Boulder, CO; <i>Kinesiology and Applied Physiology</i>	Ph.D.
1999	Wake Forest University, Winston-Salem, NC; <i>Health and Exercise Science</i>	M.S.
1997	Colorado State University, Fort Collins, CO; <i>Exercise and Sport Science</i>	B.S.

**Scholarly Interest and Specialization**

Grow and advance academic administration contributions within health/exercise science/kinesiology domains. Development, application, and efficacy testing of health and physical activity innovations and technology to prevent/treat chronic disease(s) and age-related functional decline. Interdisciplinary and translational approaches to technology and R&D innovations that lead to applied health promotion and chronic disease prevention/treatment.

**Professional Experience – University Administration & Industry**

2024-present **Special Assistant to the Dean** – College of Health Sciences, University of Wyoming

- Provide assistance to the Dean and College including but not limited to faculty development, retention, tenure, promotion, and job descriptions; serving on the administrative council

2013-2024 **Director** – Division of Kinesiology and Health, University of Wyoming

- Manage/supervise division: 4 academic programs, 1 certificate & 3 endorsements; distance education; full-time employees 10 part-time temporary instructors and staff; ~20 Graduate Assistants.
  - Lead personnel/talent acquisition, performance review, re-appointment, tenure, promotion, termination, & career development
- Fiscal Responsibility: ~\$2.3 million budget: salary, fringe, support, & revenue generation
  - Forecast, analyze, and execute budgets
- Maintain and enhance state/national/international reputations, engagement, & outreach in teaching, research, service, and community engagement.
- Direct internationalization efforts (initiatives & programs) aligned with institutional missions/priorities – grow enrollment, diversify revenue streams, expand import and export of educational opportunities, advocate for and support cultural understanding expansion
- Fundraise: donor engagement, stewardship, and prospective opportunities
- Oversee innovation, implementation, and assessment of academic programs/curricula
- Strategic planning and annual reporting/assessment
- Innovate in areas of international programs, distance education, certificate programs, technology-transfer, & public/private partnerships
- Capital facility supervision/planning/expansion

2019-present **Chief Executive Officer** – MoVE, LLC

- Telehealth software development

2018-2020 **President/Co-Founder** – ExMedRx, LLC.

- Health technology R&D company

2010-2016 **Graduate Program Coordinator** – Division of Kinesiology and Health, University of

- Wyoming
- 2011-2014 **President/Founder** – Healthbridge, LLC.
- Health technology R&D company. Invited client/member of Wyoming Technology Business Center (Innovation and Economic Development Incubator).

### Professional Experience - Academic

- 2009-present Associate Professor** – Division of Kinesiology and Health, University of Wyoming
- 2019-present Affiliate Professor** – WWAMI Medical Education, University of Washington School of Medicine and University of Wyoming
- 2006-2018 Adjunct-faculty – Department of Zoology and Physiology, University of Wyoming
- 2003-present Director, Human Integrative Physiology Laboratory** – Division of Kinesiology and Health, University of Wyoming
- 2003-2009 Assistant Professor – Division of Kinesiology and Health, University of Wyoming
- 1999-2003 Laboratory Coordinator/Research Assistant (Doctoral Student)  
Integrative Vascular Biology Laboratory, University of Colorado at Boulder
- 2001-2002 Site Director, American College of Sports Medicine Exercise Specialist Examination, University of Colorado at Boulder (examination cancelled)
- 1999-2000 Graduate Teaching Assistant – Department of Kinesiology and Applied Physiology, University of Colorado, Boulder, CO
- 1998-1999 Clinical Physiologist/Laboratory Coordinator  
Health and Exercise Science Department, Wake Forest Cardiac Rehabilitation Program, Winston-Salem, NC

### Honors, Awards, and Certifications

- 2022 Meritorious Service Award, College of Health Sciences, University of Wyoming
- 2022 “Top Prof” award – University of Wyoming Honors/Mortar Board Program
- 2021 “Top Prof” award – University of Wyoming Honors/Mortar Board Program
- 2017 “Top Prof” award – University of Wyoming Honors/Mortar Board Program
- 2016 “Top Prof” award – University of Wyoming Honors/Mortar Board Program
- 2015 “Top Prof” award – University of Wyoming Honors/Mortar Board Program
- 2014 Meritorious Service Award – American Heart Association *Mission: Lifeline Wyoming*
- 2013 Meritorious Service Award – Institutional Review Board, University of Wyoming
- 2013 Outstanding Leadership Award – American Heart Association *Mission: Lifeline Wyoming*
- 2012 “Top Prof” award – University of Wyoming Honors/Mortar Board Program
- 2009 “Top Prof” award – University of Wyoming Honors/Mortar Board Program
- 2008 Outstanding Graduate Faculty Mentor, Nominee, University of Wyoming Graduate School
- 2005 “Outstanding New Investigator Award” – University of Wyoming College of Health Sciences
- 2002 Graduate Student Excellence Fellowship, Department of Kinesiology and Applied Physiology, University of Colorado
- 2001 Predoctoral Fellowship, American Heart Association, Desert Mountain Affiliate
- 2001 Graduate Student Excellence Fellowship, Department of Kinesiology and Applied Physiology, University of Colorado
- 2000 Doctoral Student Foundation Award, American College of Sports Medicine
- 1999 Academic Achievement Award, Colorado Commission of Higher Education
- 1997 Graduate Scholarship 2-year Award, Health and Exercise Science Department, Wake Forest University
- 1993 Advanced Designee Reserve Officers’ Training Corp 3-year Scholarship Recipient, Department of the Army
- 1992 Meritorious Scholars Award, Colorado State University
- 1992 Golden Key National Honor Society
- 1998 Exercise Specialist, American College of Sports Medicine

<b><u>Research Support – Funded (\$2.62 million)</u></b>	<b><u>Period</u></b>
Wyoming Department of Health <b>Continuing Education – Graduate Level Community &amp; Public Health Certificate</b> \$430,000 8/2024-7/2027 Role: Co-PI (w/ L. Gaechter)	2024-2027
Wyoming Department of Health <b>Continuing Education – Graduate Level Community &amp; Public Health Certificate</b> \$235,000 1/2023-7/2024 Role: Co-PI (w/ L. Gaechter)	2023-2024
University of Wyoming <b>Education abroad mentorship grant – Short-term faculty led programs</b> \$1,500 3/2023-9/2023 Role: Co-PI (w/ M. Smith)	2023
Shanghai University of Sport <b>Nordic Ski Educational Coaching Program</b> \$107,155 Role: Co-PI (w/ Q. Zhu)	2023-2024
Shanghai University of Sport <b>Nordic Ski Educational Coaching Program</b> \$242,136 Role: Co-PI (w/ Q. Zhu)	2022-2023
Wyoming Business Council/Wyoming SBIR/STTR Initiative <b>Reaching the Unreached Addiction Disorders with Tele-assessment of Neurobehavior</b> \$5,000 11/2021-4/2022 Role: Co-PI (w/ Q. Zhu) <i>Phase 0 SBIR: Chronic disease system-of-care via cardiorespiratory and exercise prescription mobile App technology software engineering and architecture.</i>	2021
<i>CARES-HUB-MOVE#1040 U.S. Department of Treasury</i> <b>Accelerated Telerehabilitation Infrastructure and Clinical Viability</b> \$164,930 Role: Co-PI (w/ Q. Zhu)	2020-2021
<i>1R41MD015689-01 NIH/NIMHHD</i> Small Business Innovation Research (SBIR) <b>Developing Real-time Interaction and Motion Tracking in Immersive Virtual Reality for Telerehabilitation</b> \$242,114 Role: Co-PI (w/ Q. Zhu; R. Todd)	2020-2021
Outride Foundation (formerly The Specialized Foundation) <b>Acute Effects of High-Intensity Interval Training on Executive Functioning in Middle School Students with Attention-Deficit/Hyperactivity Disorder</b> \$83,719 07/2020-07/2023 Role: Co-I (w/ C. Hartung; T. Wallhead)	2020-2023
Shanghai University of Sport <b>Nordic Ski Educational Coaching Program</b> \$121,843 Role: Co-PI (w/ Q. Zhu)	2020-2021
University of Wyoming Office of Distance Education (non-competitive renewal) <b>Division of Kinesiology and Health Distance Education Development &amp; Innovation</b> \$50,000 07/30/2020-06/01/2021 Role: Co-PI (w/ E.C. Johnson)	2020-2021
University of Wyoming Office of Distance Education <b>Division of Kinesiology and Health Distance Education Development &amp; Innovation</b> \$75,000 07/30/2019-06/01/2020 Role: Co-PI (w/ E.C. Johnson)	2019-2020

<u>Research Support – Funded (continued)</u>	<u>Period</u>
<b>Shanghai University of Sport – University of Wyoming International Kinesiology Center</b> \$38,262                                      Role: Co-PI (w/ Q. Zhu)	2019-2020
Shanghai University of Sport Internationalization <b>Nordic Ski Educational Coaching Program</b> \$323,801                                      Role: Co-PI (w/ Q. Zhu)	2019-2020
Wyoming Business Council/Wyoming SBIR/STTR Initiative <b>System-of-care Technology for Exercise Prescriptions (STEPs) to Prevent Chronic Disease</b> \$5,000 08/13/2018-12/31/2019              Role: Co-PI <i>Phase 0 SBIR: Chronic disease system-of-care via cardiorespiratory and exercise prescription mobile App technology software engineering and architecture.</i>	2019
University of Wyoming Office Graduate Education <b>Graduate Student Recruitment Initiative</b> \$10,000              Role: Collaborator (w/ E.C. Johnson [Co-PI], R.T. Readdy [Co-PI], D. Bruns, E. Schmitt, & B. Dai)	2018-2019
University of Wyoming NIH/NIGMS INBRE – Thematic Research <b>Genetic and hematological risk for acute kidney injury during high intensity exercise.</b> \$50,000              Role: Collaborator (w/ Johnson, E.C. [PI], Melander, O., Dai, B.)	2018-2019
Mountain & Plains Education and Research Center Pilot Project Award <b>Feasibility of heat acclimation in wildland firefighters.</b> \$14,803              Role: Collaborator (w/ Zamora, M. student-PI; Johnson, E. PI; Readdy, T.)	2017-2019
WIN The Rockies <b>Safety and efficacy high-intensity exercise training in at-risk older adults</b> <i>Objective: Assess the safety and efficacy (functional &amp; aerobic fitness) of high-intensity interval resistance and cycling training in older adults w/ or at-risk for chronic disease</i> \$4,125 1/1/2017 – 5/1/2018              Role: PI	2017-2018
Performance Health Systems, Inc. <b>Validation of bioDensity in Osteoporosis and Type 2 Diabetes</b> <i>Objective: Validate the low-volume and high-intensity bioDensity approach on changes in osteoporosis and Type 2 diabetes risk factors, diagnostic parameters, and functional fitness.</i> \$17,805 4/1/2013 – 3/31/2014              Role: PI	2013-2014
American Heart Association <b>Mission Life Line – Wyoming</b> <i>Objective: Equip rural EMS with wireless 12-lead ECG capability, train responders and ED personnel to identify, respond, transport STEMI patients in less than 90 minutes, and develop interagency protocols and standards that improve statewide cardiac emergency system of care.</i> \$15,000 10/2012 – 9/2014              Role: Scientific Advisor/Consultant	2012-2014
Performance Health Systems, Inc. <b>Validation of bioDensity in chronic disease prevention and athletic populations</b> <i>Objective: Validate the health and functional fitness efficacy of the low-volume and high-intensity bioDensity approach in chronic disease prevention and athletic populations.</i> \$5,877 5/17/2012 – 4/30/2013              Role: PI	2012-2013

<u>Research Support – Funded (continued)</u>	<u>Period</u>
Wyoming SBIR/STTR Initiative (WSSI) Phase 0 <b>Clinically-compatible technology for behavior change &amp; chronic disease prevention</b> <i>Objective:</i> R&D expansion of an internet-delivered physical activity behavior change program for implementation/dissemination in a clinical settings. \$5,000 9/1/2011 – 12/5/2011                      Role: PI	2011-2012
2P20RR016474 NIH/NCRR <b>Adapting an e-Health Physical Activity Intervention for Translation to a Clinical Setting</b> Other investigators: Ren J. (PI) <i>Objective:</i> Adapt my previously validated internet-delivered physical activity behavior change program for implementation/dissemination in a clinical setting and expand to e-compatibility (smartphones). \$64,851 5/1/2011 – 4/30/2012                      Role: PI	2011-2012
2P20RR016474 NIH/NCRR <b>Wyoming IDeA Networks of Biomedical Research Excellence – 2 (INBRE-2)</b> Project: <i>Internet-delivered obesity and cardiometabolic disease prevention: Clinical Discovery.</i> <i>Objective:</i> Determine the efficacy of an internet-delivered exercise and weight-loss small changes intervention in adults with cardiometabolic disease and obesity. \$16,705,815 5/01/09-4/30/12                      Role: PI (\$100,000/year) w/ Ren, J., (PI Institutional Development Award (IDeA)); L. Lutes (Co-I)	2009-2014
2P20RR016474-04 NIH/NCRR <b>University of Wyoming Northern Rockies INBRE – Building Clinical Research Infrastructures and Capacity for Community-Based Health Research.</b> Project: <i>Clinical Outcomes in Rural Populations Core – Infrastructure &amp; capacity development</i> <i>Objective:</i> 2004-2006 establish rural infrastructure and capacity development for clinical research; 2007-2009 data collection for two randomized control trials internet-delivered walking program in rural adults. \$9,656,520 7/01/04-6/30/09                      Role: PI (\$210,000/year) w/ R.O. Kelly, (PI Institutional Development Award (IDeA)); R.T. Bartee ('05-'07); T. Wallhead ('07)	2004-2009
WIN The Rockies, University of Wyoming <b>Biomedical Research Center Infrastructure: Obesity Prevention &amp; Intervention</b> \$7,000 5/01/04 – 4/30/05                      Role: PI	2004-2005
MTSTU48398 <i>Center for Research on Chronic Health Conditions in Rural Dwellers (CRCHC)</i> <b>Testing Protocols for Rural Sample Data Collection</b> \$10,000    Role: Co-I (w/ M.B. Stepans PI; T.K. Rodehorst; S.L. Wilhelm; C. Weinert)	2004-2006
College of Health Sciences Seed Grant, University of Wyoming <b>Obesity and Disease Risk Prevention: A Longitudinal Physical Activity Intervention</b> (\$5,000) 7/01/04 – 6/30/05                      Role: PI	2004-2005
0110221Z <i>American Heart Association – Desert Mountain Affiliate</i> <b>Effects of Exercise on Endothelial Release of Tissue-Type Plasminogen Activator in Older Humans</b> (\$36,000)    Role: Doctoral Student PI w/ mentor C.A. DeSouza	2001-2003
<i>American College of Sports Medicine Foundation Grant</i> <b>Endothelial t-PA Release: Physical Activity and Hormone Replacement Status</b> (\$5000)    Role: Doctoral Student PI w/ mentor C.A. DeSouza	2000-2001

**Research Support – In Progress or Review**Period**Research Support – Not Funded**Period

NIH/NIDA R43 Small Business Innovation Research (SBIR) 2022-2023  
**Reaching unreached opioid use disorders using an engaging tele-neurobehavioral system.**

(\$320,000) 3/1/2023-2/28/2024 Role: Co-PI (w/ Q. Zhu)

Wyoming Department of Health Innovation Grant 2023-2024

**Technology integration for engaging and evidence-based tele-health**  
 (\$647,455) Role: Co-PI (w/ Q. Zhu)

Sony Research Award Program – North America

**Integrating neuroimaging with virtual reality for evidence-based and engaging treatment of addictive disorders** 2022-2023

(\$150,000) 3/2022-3/2023 Role: Co-I (w/ Q. Zhu)

NIH/NHLBI R43 Small Business Innovation Research (SBIR) 2019-2020

**Chronic Disease Prevention and Management: System-of-care Technology For Exercise Programs (STEPS) in the Clinical Setting**

(\$148,993) 8/1/2019-1/31/2020 Role: Co-PI (w/ J. Skinner)

NIH/NCRR R15 2011-2013

**Technological/clinical Partnership for Effective Promotion of Active Lifestyles**

(\$414,614) 1/01/11-12/30/13 Role: PI (w/ Mona Gamboa Co-I)

USDA Agricultural Experiment Station competitive grants program. 2006-2009

**The effect of obesity on the development of asthma and the differential influence of diet and exercise**

(\$750,000) Role: Co-I (w/ K.S. Broughton (PI); E. Larson-Meyer; K. Barber-Heidal, +2)

Department of Health and Human Services, Health Resources and Services Administration. HRSA-06-063 2006-2008

**Approaches to Promoting Health Body Weight in Postpartum Women**

(\$450,000) Role: Co-I (w/ E. Larson-Meyer (PI); B.L. Alderman)

**Invited Publications (Refereed)**

1. **Smith, D.T.**, Broman, T., Rucker, M., Sende, C., and Banner, S. Advising in Kinesiology: Challenges and Opportunities. *Kinesiology Review*, 8(4): 323-28, 2019. <https://doi.org/10.1123/kr.2019-0039>
2. Strath, S.J., Ainsworth, B.E., Ekelund, U., Freedson, P.S., Gary, R.A., Richardson, C.R., **Smith, D.T.**, Swartz, A.M., and L.A. Kaminsky. Guide to the assessment of physical activity: Clinical and Research Applications. A scientific statement from the American Heart Association. *Circulation*, 128(20): 2259-79, 2013. [PMID 24126387](https://pubmed.ncbi.nlm.nih.gov/24126387/).

**Publications (Refereed)**

3. Wang, MW, **Smith, D.T.**, Zhu, Q. A webcam-based machine learning approach for three-dimensional range of motion evaluation. *PLoS One*, 18(10), 2023. <https://doi.org/10.1371/journal.pone.0293178>
4. Song, Y., Li, L., Layer, L., Fairbanks, R., Jenkins, M., Hughes, G., **Smith, D.T.**, Wilson, M., Zhu, Q., Dai, B. (In Press). Indirect contact matters: Mid-flight external trunk perturbation increased unilateral anterior cruciate ligament loading variables during jump-landings. *Journal of Sport and Health Sciences*. (IF = 13.077)
5. Huang, S., Layer, B., **Smith, D.T.**, Bingham, G.P., Zhu, Q. Training 90° bimanual coordination at high frequency yields dependence on kinesthetic information and poor performance of dyadic unimanual coordination. *Human Movement Science*, 79, 2022. <https://doi.org/10.1016/j.humov.2021.102855>
6. McNair, B., Marcello, N., **Smith, D.T.**, Schmitt, E. E., and Bruns, D.R. Changes in muscle mass and composition by exercise and hypoxia as assessed by DEXA in mice. *Medicina (Kaunas)*, 56(9): 446, 2020. doi: [10.3390/medicina56090446](https://doi.org/10.3390/medicina56090446)
7. Goršič, M.\*, Rochelle, L.E.\*, Layer, J.S.\*, **Smith, D.T.**, Novak, D., & Dai, B. (CA). Biomechanical comparisons of back and front squats with a straight bar and four squats with a transformer bar. *Sports Biomechanics*. 2020. AHEAD-OF-PRINT, 1-16 [Data-based]. <https://doi.org/10.1080/14763141.2020.1832563>
8. Huang, S., Van Syoc, B., Yang, R., Kuehn, T., **Smith, D.T.**, and Zhu, Q. Using visual and/or kinesthetic information to stabilize intrinsic bimanual coordination patterns is a function of movement frequency. *Psychological Research*, 2020. doi: [10.1007/s00426-020-01288-2](https://doi.org/10.1007/s00426-020-01288-2).
9. Guo, R., Wang, Q., Nair, R.P., Barnes, S.L., **Smith, D.T.**, Dai, B., Robinson, T.J., and Nair, S. Furosap, a novel Funugreek seed extract improves lean body mass and serum testosterone in a randomized, placebo-controlled, double-blind clinical investigation. *Function Foods in Health and Disease*, 8(11):508-519, 2018. doi: [10.31989/ffhd.v8i11.565](https://doi.org/10.31989/ffhd.v8i11.565)
10. Langabeer, J.R., Champagne-Langabeer, T. **Smith, D.T.** Developing a rural, community-based registry for cardiovascular quality improvement. *Quality Improvement for Cardiovascular Care*. 27(4): 209-214, 2018. PMID: [30260928](https://pubmed.ncbi.nlm.nih.gov/30260928/)
11. Layer, J.S., Grenz, C., Hinshaw, T.J., **Smith, D.T.**, Barrett, S.F., and B. Dai. Kinetic analysis of isometric back squats and isometric belt squats. *Journal of Strength and Conditioning Research*, 32(12):3301-3309, 2018. PMID: [30273281](https://pubmed.ncbi.nlm.nih.gov/30273281/)
12. Langabeer, J., **Smith, D.T.**, Cardenas-Turanzas, M., Leonard, B.L, Segrest, W., Krell, C., Owan, T., Eisenhauer, M.D, and Gerard, D. Impact of a Rural, Regional Myocardial Infarction System of Care in Wyoming. *Journal of the American Heart Association*, 20;5(5), 2016. doi: [10.1161/JAHA.116.003392](https://doi.org/10.1161/JAHA.116.003392)
13. Fisher, H., Stephenson, M.L., Graves, K.K., Hinshaw, T.J., **Smith, D.T.**, Zhu, Q., Wilson, M.A., Dai, B. Relationship between force production during isometric squats and knee flexion angles during landing. *Journal of Strength and Conditioning Research*, 30(6): 1670-79, 2015. PMID: [26566166](https://pubmed.ncbi.nlm.nih.gov/26566166/)
14. Heinbaugh, E.M., **Smith, D.T.**, Zhu, Q., Wilson, M.A., and Dai, B. The effect of time-of-day on static and dynamic balance in recreational athletes. *Sports Biomechanics*, 2015, 14(3): 361-73. doi: [10.1080/14763141.2015.1084036](https://doi.org/10.1080/14763141.2015.1084036)
15. **Smith, D.T.**, Judge, S., Malone, A., Moynes, R.C., Conviser, S., and Skinner, J.S. Effects of bioDensity training and Power Plate whole-body vibration on strength, balance, and functional independence in older adults. *Journal of Aging and Physical Activity*, 2015, 24(1): 139-48. doi: [10.1123/japa.2015-0057](https://doi.org/10.1123/japa.2015-0057).
16. Langabeer, J., Prasad, S., Seo, M., **Smith, D.T.**, Segrest, W., Owen, T., Gerard, D., and Eisenhauer, M. The effect of inter-hospital transfers, EMS, and distance on ischemic time in a rural STEMI system of care. *American Journal of Emergency Medicine*, 2015, 33(7): 913-916. doi: <http://dx.doi.org/10.1016/j.ajem.2015.04.009>

**Publications (Refereed) continued**

17. Stephenson, M.L., **Smith, D.T.**, Heinbaugh, E.M., Moynes, R.C., Rockey, S.S., Thomas, J.J., and B. Dai. Total lower extremity lean mass percentage positively correlates with jump performance. *Journal of Strength and Conditioning Research*, 2015, 29(8): 2167-75. doi: [10.1519/JSC.0000000000000851](https://doi.org/10.1519/JSC.0000000000000851).
18. **Smith, D.T.**, Moynes, R.A., Rockey, S.S., Conviser, J., and J.S. Skinner. bioDensity™: A novel resistance training approach and learning effects in 1,685 males and 2,689 females. *J Novel Physiotherapies*, 2014, 4:215. doi: [10.4172/2165-7025.1000215](https://doi.org/10.4172/2165-7025.1000215)
19. Long, N.M., Smith, D. T., Ford, S.P., and P.W. Nathanielsz. Elevated glucocorticoids during ovine pregnancy increases appetite and produce glucose dysregulation and adiposity in their granddaughters in response to ad libitum feeding at 1 year of age. *Am J Obstet Gynecol*, 2013, 209(4): 353.e1-9. doi: [10.1016/j.ajog.2013.05.051](https://doi.org/10.1016/j.ajog.2013.05.051).
20. Willis, K.S., Broughton, K.S. **Smith, D.T.**, and D.E. Larson-Meyer. Vitamin D status & biomarkers of inflammation in runners. *Journal of Sports Medicine (Open Access)*, 2012, 3: 35-42. doi: [10.2147/OAJSM.S31022](https://doi.org/10.2147/OAJSM.S31022)
21. Li, L., Hua, Y., Dong, M., Li, Q., **Smith, D.T.**, Yuan, M., Jones, K. R., and J. Ren. Short-term Lenalidomide (Revlimid) administration ameliorates cardiomyocyte contractile dysfunction in ob/ob obese mice. *Obesity (Silver Springs)*, 2012, 20(11): 2174-85. doi:[10.1038/oby.2012.106](https://doi.org/10.1038/oby.2012.106).
22. George, L.A. Zhang, L., Tuersunjiang, N., Ma, Y., Long, N.M., Uthlaut, A.B., **Smith, D.T.**, and S.P. Ford. Early maternal undernutrition programs increased feed intake, altered glucose metabolism and insulin secretion, and liver function, in aged female offspring. *American Journal of Physiology, Regulatory Integrative and Comparative Physiology*, 302(7): R795-804. 2012. PMID: 22277936.
23. Wallhead, T.L., Hagger, M., and **Smith, D.T.** The effect of sport education on extra-curricular youth sport-based physical activity participation. *Research Quarterly for Exercise and Sport*, 81(4): 442-455, 2010. PMID: 21268468.
24. George, L.A., Uthlaut, A.B., Long, N.M., Zhang, L., Ma, Y., **Smith, D.T.**, Nathanielsz, P.W. and S.P. Ford. Different levels of overnutrition and weight gain during pregnancy have differential effects on fetal growth and organ development. *Reproductive Biology and Endocrinology*, 8:75, 2010.
25. Long, N.M., George, L.A., Uthlaut, A.B., **Smith, D.T.**, Nijland, M.J., Nathanielsz, P.W., and S.P. Ford. Maternal obesity and increased nutrient intake before and during gestation in the ewe results in altered growth, adiposity, and glucose tolerance in adult offspring. *Journal of Animal Science*, 88(11): 3546-53, 2010.
26. Ford, S.P., Zhang, L., Zhu, M., Miller, M.M., **Smith, D.T.**, Hess, B.W., Nathanielsz, P.W., and M.J. Nijland. Maternal obesity accelerates fetal pancreatic beta-cell but not alpha-cell development in sheep: prenatal consequences. *American Journal of Regulatory Integrative and Comparative Physiology*, 297(3): R835-43, 2009.
27. **Smith, D.T.**, Carr, L.J. Dorozynski, C.M., and C. Gomashe. Internet-delivered lifestyle physical activity intervention: Limited inflammation and antioxidant capacity efficacy in overweight adults. *Journal of Applied Physiology*, 106(1): 49-56, 2009.
28. Stepan, M.B., Wilhelm, S.L., Rodehorst, T.K., **Smith, D.T.**, and Weinert C. Care of biological samples in a rural setting. *Clinical Nursing Research*, 18(1): 6-22, 2009.
29. Carr, L.J., Bartee, R.T., Dorozynski, C.M. and **Smith, D.T.** Eight-month follow-up of physical activity and central adiposity: Results from internet-delivered intervention in overweight adults. *Journal of Physical Activity and Health*, 6(4): 444-45, 2009.
30. **Smith, D.T.**, Bartee, R.T., Carr, L.J., and Dorozynski, C.M. Prevalence of overweight and out-of-school seasonal periods of body mass index in American Indian schoolchildren. *Preventing Chronic Disease*, 6(1): A20, 2009. [http://www.cdc.gov/pcd/issues/2009/jan/07\\_0262.htm](http://www.cdc.gov/pcd/issues/2009/jan/07_0262.htm)
31. Carr, L.J., Bartee, R.T., Dorozynski, C.M., Broomfield, J.F., Smith, M.L. and **Smith D.T.** Internet-delivered behavior change program increases physical activity and improves cardiometabolic disease risk factors in sedentary adults: Results of a randomized controlled trial. *Preventive Medicine*, 46(5): 431-38, 2008. <http://dx.doi.org/10.1016/j.ypmed.2007.12.005>
32. Herman, S.L. and **Smith, D.T.** Four-week dynamic-stretching warm up intervention elicits longer-term performance benefits. *Journal of Strength Conditioning Research*, 22(4): 1286-97, 2008.



33. Eisenmann, J.C., Bartee, R.T., **Smith, D.T.**, Welk, GJ, and Fu, Q. Combined influence of physical activity and television viewing on the risk of overweight in U.S. youth. *International Journal of Obesity*, 32: 613-618, 2008.
34. **Smith D.T.**, Vendela M.J., Bartee, R.T., and Carr, L.J. Body mass index in rural first grade schoolchildren: Progressive increase in boys. *Journal of Rural Health*, 24(1): 40-8, 2008.
35. Van Guilder, G.P., Hoetzer, G.L., **Smith, D.T.**, Irmiger, H.M., Greiner, J.J., Stauffer, B.L., and DeSouza, C.A. Endothelial t-PA release is impaired in overweight and obese adults but can be improved with regular aerobic exercise. *American Journal of Physiology: Endocrinology and Metabolism*, 289: 807-813, 2005.
36. DeSouza, C.A., Van Guilder, G.P., Greiner, J.J., **Smith, D.T.**, Hoetzer, G.L., and Stauffer, B.L. Basal endothelial nitric oxide release is preserved in overweight and obese adults. *Obesity Research*, 13(8): 1303-1306, 2005.
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39. Hoetzer, G.L., Stauffer, B.L., Greiner, J.J., Casas, Y., **Smith, D.T.**, and DeSouza, C.A. Influence of oral contraceptive use on endothelial t-Pa release in healthy premenopausal women. *American Journal of Physiology Endocrinology and Metabolism*, 284(1): E90-95, 2003.
40. **Smith, D.T.**, Hoetzer, G.L., Greiner, J.J., Stauffer, B.L., and DeSouza, C.A. Effects of aging and regular aerobic exercise on endothelial fibrinolytic capacity. *Journal of Physiology*, 546.1: 289-298, 2003.
41. **Smith, D.T.**, Hoetzer, G.L., Greiner, J.J., Stauffer, B.L., and DeSouza, C.A. Endothelial release of tissue-type plasminogen activator in the human forearm: Role of nitric oxide. *Journal of Cardiovascular Pharmacology*, 42: 311-314, 2003.
42. Hoetzer, G.L., Stauffer, B.L., Irmiger, H.M., Ng, M., **Smith, D.T.**, and DeSouza, C.A. Acute and chronic effects of oestrogen on endothelial tissue-type plasminogen activator release in postmenopausal women. *Journal of Physiology*, 551.2:721-728, 2003.
43. DeSouza, C.A., Clevenger, C.M., Greiner, J.J., **Smith, D.T.**, Hoetzer, G.L., Shapiro, L.F., and Stauffer, B.L. Evidence for agonist specific endothelial vasodilator dysfunction with aging in healthy men. *Journal of Physiology*, 542.1:255-262, 2002.

### **Patents or Copyrights**

1. *Motion Tracking Synchronization In Virtual Reality Spaces* by Todd, R.N., **Zhu, Q.**, & Smith, D.T. Pub. No.: US 2020/0410695 A1 / Pub. Date: Dec. 31, 2020.

### **Book Chapters**

1. Efficacy of N-SORB, a proprietary KD120 MEC metabolically activated enzyme formulation in digestion: a randomized double-blind, placebo-controlled investigation and case studies. Nair, S., **Smith, D.**, Downs, B.W., Armine, J., Kushner, S., Downs, J, Chakraborty, S., Bagchi, D., Bagchi, M. In: *Nutrition and Functional Foods in Boosting Digestion, Metabolism and Immune Health*. Ch. 21: 311-325, 2021. Editors: Bagchi, D. and Ohia, S.E. (Academic Press, Elsevier)  
<https://doi.org/10.1016/B978-0-12-821232-5.00007-0>

**Published Abstracts**

1. Dai, B., Gorsic, M, Rochelle, L., Layer, J., **Smith, D.T.**, and Novak, D. Effects of anterior-posterior load placements imposed by a transformer bar on squat biomechanics. *International Society of Biomechanics in Sports*, 2020. [Presented](#) 7/2020, Liverpool, UK.
2. Zamora, M., Loseke, J. Hibbs, C. Johnson, E.C., Readdy, T., **Smith, D.T.**, Robinson, T.J. Feasibility of health acclimatization in wildland firefighters. *Rocky Mountain Athletic Trainers Association Annual Conference* Albuquerque, NM, 2020.
3. Loseke, J.D., Schmitt, E.E., Dillon, M.E., Zamora, M., Green, C.J., **Smith, D.T.**, Johnson, E.C. Exercise heat exposure induced changes in genetic expression before and after health acclimation in humans. *Med Sci Sports Exerc*, 2020.
4. Nair, S., Bagshi, D., Nair, R., **Smith, D.T.** A randomized, placebo-controlled, double-blind clinical investigation on a patent-pending KD120 metabolically activated enzyme formulation, N-SORB, in health young volunteers. American Society for Pharmacology and Experimental Therapeutics, *Experimental Biology*, San Diego, CA, 2020.
5. Huang, S.C., Van Syoc, B., Yang, R.N., Kuehn, T., **Smith, D.**, & Zhu, Q. Using visual and/or kinesthetic information to stabilize intrinsic bimanual coordination patterns is a function of movement frequency. *Journal of Sport & Exercise Psychology*, Vol41, S34. Oral presentation at the NASPSPA conference, Baltimore, MD, June 2019.
6. Serrano, J. W., Hinojosa, J. T., McDonald, B. D., Hendricks, Z. O., Vasko, J. M., LaCount, P. A., **Smith, D. T.**, & Hartung, C. M. The relation between ADHD and physical health is moderated by athlete status in college students. Poster presented at the Wyoming IDeA Networks for Biomedical Research Excellence (INBRE) Annual Conference, Laramie, Wyoming, 2019.
7. LaCount, P. A., Wright, H. A., Berchenbriter, J.\* Gruntmeir, S., Hinojosa, J., Serrano, J. W., Stevens, A. E., **Smith, D. T.**, & Hartung, C. M. The Acute Therapeutic Effects of High-Intensity Interval Training (HIIT) for College Student with ADHD. *Healthy lifestyle interventions for ADHD across the lifespan*. Symposium presented at the 52nd meeting of the Association for Cognitive and Behavioral Therapies: Attention-Deficit/Hyperactivity Disorder Special Interest Group, Washington, DC, 2019.
8. Nair, S., **Smith, D.T.**, Barnes, S.L., Dai, B., Nair, R., Bagshi, D., and A. Swaroop. Pilot clinical trial to evaluation the effect of Fenugreek saponins on physical fitness. *J Int Soc Sports Nut*, 2018; forthcoming.
9. Barnes, S.L., Robertson, K.L., Dai, B., Smith, M.L., Sewczak-Claude, G.M., and **D.T. Smith**. Efficacy of high-intensity resistance and sprint interval training in older adults. *Med Sci Sports Exerc*, 2018; forthcoming.
10. Nair, S. Barnes, S.L., **Smith, D.T.**, and A.S. Nair. Fenugreek saponin improves insulin sensitivity in obese subjects: A randomized, placebo controlled, pilot study. *FASEB Journal*, 2018; forthcoming.
11. Langabeer, J.R., Gerard, D., **Smith, D.T.**, Leonard, B.L., Segrest, W., Seo, M., Khan, M., Krell, C., Owan, T. and M.D. Eisenhauer. Assessing the impact of a rural STEMI System of Care Initiative: Mission: Lifeline. *Circulation: Cardiovascular Quality and Outcomes*, 2016; 9:A120.
12. Skinner, J.S., Judge, S., Malone, A., Moynes, R.C., Conviser, J., and **D.T. Smith**. Improved functional independence, balance and force production with low-volume, alternative training in older adults. *Med Sci Sports Exerc*, 2015; 47 (5 Suppl): S516.
13. Moynes, R.C., Rockey, S.S., Conviser, J., Skinner, J.S., and **D.T. Smith**. High-intensity bioDensity training: 24-week health and fitness changes in middle-aged adults. *Med Sci Sports Exerc*, 2014; 46 (5 Suppl): S228.
14. Skinner, J.S., **Smith, D.T.**, Rockey, S.S., Moynes, R.A., and J. Conviser. Strength changes in male and females completing 8-24 sessions of high-intensity training once a week. *Med Sci Sports Exerc*, 2014; 46 (5 Suppl): S256.
15. **Smith, D.T.**, Skinner, S.S., Rockey, S.S., and Conviser, J. bioDensity™ strength training: High-intensity low-volume training in 2, 429 young and older males and females. *In book: 18th annual Congress of the European College of Sport Science. Book of Abstracts*. 06/2013; ISBN: 978-84-695-7786-8.

**Published Abstracts (continued)**

16. **Smith, D.T.**, Rockey, S.S., Moynes, R.C., Skinner, J.S., and Conviser, J. Effect of 12-weeks of bioDensity™ training on bone mineral density and lean muscle quantity in healthy and osteo-penic/-porotic adults. *In book: 18th annual Congress of the European College of Sport Science. Book of Abstracts.* 06/2013; ISBN: 978-84-695-7786-8
17. Moynes, R.C., **Smith, D.T.**, Rockey, S.S., Conviser, J., and Skinner, J.S. bioDensity™ Training: Methodology, use, and quantification of baseline strength. *Med Sci Sports Exerc*, 2013; 45 (5 Suppl): S507.
18. Skinner, J.S., Moynes, R.C., Rockey, S.S., Conviser, J., and **Smith, D.T.** Effect of age on sessions required to establish baseline strength in 4,374 men and women. *Med Sci Sports Exerc*, 2013; 45 (5 Suppl): S508.
19. **Smith, D.T.**, Moynes, R.C., Rockey, S.S., Conviser, J., and Skinner, J.S. Initial strength and bioDensity™ sessions required to establish a baseline in 4,374 men and women. *Med Sci Sports Exerc*, 2013; 45 (5 Suppl): S508.
20. Martir, A., **Smith, D.T.**, Carr, L.J., and Lutes, L.M. Participant satisfaction with on-line physical activity programs: When it comes to program design, where should we focus our efforts? *Annals of Behavioral Medicine* (In press: 33<sup>rd</sup> Annual Meeting, supplement issue), 2012.
21. **Smith, D.T.**, Rockey, S.S., and Dorozynski, C.M. The other side of the equation: Increasing physical activity does not impact sitting time. *2<sup>nd</sup> International Conference Proceedings on Ambulatory Monitoring of Physical Activity and Movement*, 2011; P2-56.
22. Sexton, M.M., Dayton, J., Beck, Z., Larson-Meyer, D.E., and **Smith, D.T.** Total energy intake is decreased by an internet-delivered physical activity behavior change program. *Med Sci Sports Exerc*, 2010; 42 (5 Suppl): S2833.
23. Rockey, S.S., Dorozynski, C.M., Bischoff, S., and **Smith, D.T.** Establishing a step per day to cardiometabolic disease risk factor dose-response. *Med Sci Sports Exerc*, 2010; 42 (5 Suppl): S1380.
24. **Smith, D.T.**, Dorozynski, C.M., and Carr, L.J. Internet-delivered active living every day efficacy: more than means and goals. *Med Sci Sports Exerc*, 2009; 41 (5 Suppl): S3060.
25. Carr, L.J., Bartee, R.T., Dorozynski, C.M. and **Smith, D.T.** Long-term efficacy of an internet-delivered physical activity behavior change program in middle-aged, sedentary, overweight, rural adults. *Med Sci Sports Exerc*, 2008; 40 (5 Suppl): S1597.
26. Carr L.J., Bartee R.T., Dorozynski, C.M., Vendela, M.J., Bretting K., Lohof, C.H., Brubaker, P.H., and **Smith, D.T.** Effect of an Internet-based Physical Activity Behavior Change Program on Physical Activity and Disease Risk. *Med Sci Sports Exerc*. 2007; 39 (5 Suppl): S865.
27. Lohof, C.H., Bartee, R.T., Carr, L.J., Korenke, J.D., Brubaker, P.H., and **Smith, D.T.** Effect of an Internet-based Physical Activity Behavior Change Program on Self-Efficacy and Physical Activity. *Med Sci Sports Exerc*. 2007; 39 (5 Suppl): S866.
28. Dorozynski, C.M., Carr, L.J., Bartee, R.T., and **Smith, D.T.** Efficacy Of A Theory-driven Internet-based Physical Activity Behavior Change Program. *Med Sci Sports Exerc*. 2007; 39 (5 Suppl): S1377.
29. Vendela, M.J., Bartee, R.T., Carr, L.J., and **Smith, D.T.** Body Mass Index in Rural Elementary School Children: Progressive Increase in Body Mass Index of First Graders. *Med Sci Sports Exerc*. 2007; 39 (5 Suppl): S2167.
30. Hoetzer, G.L., Clevenger, C.M., **Smith, D.T.**, Greiner, J.J., Stauffer, B.L., and DeSouza, C.A. Basal endothelial release of nitric oxide is preserved in uncomplicated obesity. 2004 Experimental Biology meeting abstracts [accessed at <http://select.biosis.org/faseb>]. *The FASEB Journal*, 18, Abstract #859.10.
31. Van Guilders, G.P., **Smith, D.T.**, Hoetzer, G.L., Irmiger, H.M., Stauffer, B.L., and DeSouza, C.A. Exercise without weight loss does not lower plasma C-reactive protein in obese adults. 2004 Experimental Biology meeting abstracts [accessed at <http://select.biosis.org/faseb>]. *The FASEB Journal*, 18, Abstract #851.37.
32. **Smith, D.T.**, Greiner, J.J., Hoetzer, G.L., Casas, Y.G., Ng, M., Stauffer, B.L., and DeSouza, C.A. Capacity of the endothelium to release t-PA declines with age in healthy adult humans. *The FASEB Journal*, 2002.

**Published Abstracts (continued)**

33. Hoetzer, G.L., **Smith, D.T.**, Greiner, J.J., Ng, M., Casas, Y.G., Stauffer, B.L., and DeSouza, C.A. Influence of oral contraception on endothelial release of tissue-type plasminogen activator in vivo. *The FASEB Journal*, 2002.
34. DeSouza, C.A., Clevenger, C.M., Greiner, J.J., Hoetzer, G.L., **Smith, D.T.**, Shapiro, L., and Stauffer, B.L. Impaired forearm endothelium-dependent vasodilatation with age: evidence for an agonist-specific defect and not a more general endothelial vasomotor abnormality. *The FASEB Journal*, 2002.
35. Greiner, J.J., Blackett, S.D., Casas, Y.G., Hoetzer, G.L., **Smith, D.T.**, Moreau, K.L., Stauffer, B.L., and DeSouza, C.A. Nitric oxide bioavailability and hormone replacement therapy in postmenopausal women. *The FASEB Journal*, 2002.
36. **Smith, D.T.**, Greiner, J.J., Hoetzer, G.L., Blackett, S.D., Casas, Y.G., Stauffer, B.L., and DeSouza, C.A. Greater endothelial release of tissue plasminogen activator in endurance-trained vs. sedentary middle-aged and older men. *Med Sci Sports Exerc.* 2001; 33 (5 Suppl): S270.
37. **Smith, D.T.**, Greiner, J.J., Casas, Y.G., Tanaka, H., and DeSouza, C.A. Lower circulating levels of interleukin (IL)-1Ra and IL-6 in endurance-trained postmenopausal women. *The Physiologist*, 43(4):322, 2000.
38. Blackett, S.D., **Smith, D.T.**, Greiner, J.J., Casas, Y.G., Tanaka, H., Seals, D.R. and DeSouza, C.A. Greater endothelium-dependent vasodilation in endurance-trained vs. sedentary postmenopausal women. *The Physiologist*, 43(4):349, 2000.
39. Smith, T.S., Kennedy, S.L., **Smith, D.T.**, and Fleshner, M. Potential benefits of a physically active lifestyle on the immune response to KLH. *Brain, Behavior, and Immunity*, 14(2):131, 2000.
40. **Smith, D.T.**, Brubaker, P.H., Campbell, C., and Kitzman, D. Chronotropic incompetence in congestive heart failure: prevalence and exercise implications. *Journal of Cardiopulmonary Rehabilitation*, 19:5 292, 1999.
41. **Smith, D.T.**, Brubaker, P.H., and Berry, M.J. Heart rate and VO<sub>2</sub> in cardiac rehabilitation patients: Do they correspond in field and laboratory exercise environments? *Med Sci Sports Exerc.* 1999; 31 (5 Suppl): S1718.
42. **Smith, D.T.**, Brubaker, P.H., Campbell, C., and Kitzman, D. Chronotropic incompetence in congestive heart failure: Prevalence and exercise implications. *Med Sci Sports and Exerc.* 1999; 31 (5 Suppl): S339.

**Invited Presentations and Symposiums – National/International**

1. **Smith, D.T.** and T. Broman. *Advising in Kinesiology: Challenges and Opportunities*. Co-chair 2019 American Kinesiology Association Pre-Conference Workshop, Phoenix, AZ, January 25, 2019.
2. **Smith, D.T.** *Models of Advising: Pro's, Con's, and Meeting the Diversity of Student Needs*. American Kinesiology Association Pre-Conference Workshop, Phoenix, AZ, January 25, 2019.
3. **Smith, D.T.** *High-intensity Exercise in Health and Performance*. Shanghai University of Sport, Shanghai, China, May 9, 2019.
4. **Smith, D.T.** and E.H. Guseman. *Adolescent Physical Activity Measurement*. Ministry of Education of China, International Summit Forum. East China Normal University, Shanghai, China; June 24, 2017.
5. **Smith, D.T.** *Efficacy and Safety of High-intensity Interval Training in Older Adults*. Department of Physical Education, Shanghai University of Finance and Economy, Shanghai, China; June 19, 2017.
6. **Smith, D.T.** *Efficacy and Safety of High-intensity Interval Training in Older Adults*. Ministry of Education of China. Shanghai University of Sport, Shanghai, China; June 19, 2017.
7. **Smith, D.T.** *Academic Programs and Scholarship: Opportunities for International Partnerships and Exchange*. Ministry of Education of China. Shanghai University of Sport, Shanghai, China; June 19, 2017.
8. **Smith, D.T.** Alaska native Tribal Health Consortium and South Central Foundation, Alaska Native Diabetes Conference. *Physical activity, behavior change, and blood sugar control: Have we ignored intensity?* Anchorage, AK; December 5, 2014.

**Invited Presentations and Symposiums – National/International**

9. **Smith, D.T.** The other side of the equation: Increasing physical activity does not impact sitting time. *2<sup>nd</sup> International Conference Proceedings on Ambulatory Monitoring of Physical Activity and Movement*, Glasgow, Scotland; May 26, 2011.
10. **Smith, D.T.** Ball State University, Physical Education, Sport and Exercise Science Department Seminar, *Lost in Translation: Getting physical activity from the laboratory to the clinical setting*. December 11, 2010.
11. Dunn, A.L., Wilcox, S., **Smith, D.T.**, Dearing, J. American College of Sports Medicine National Meeting, (Featured Symposium). Seattle, WA. *Disseminating evidence-based physical activity programs: lessons learned from the field*. May 29, 2009.
12. **Smith, D.T.** Sports, Cardiovascular and Wellness Nutritionists, 25<sup>th</sup> Annual Symposium, 2009. Scottsdale, AZ. *WALK to Wellness on the Web: Effect of Internet-delivered Physical Activity Programs on Inflammation and Oxidative Stress*.
13. **Smith, D.T.** Sports, Cardiovascular and Wellness Nutritionists, 24<sup>th</sup> Annual Symposium, 2008. April 11<sup>th</sup>, 2008. Boston, MA. *Effect of Physical Activity on Inflammation, Oxidative Stress, and Cardiovascular Disease Risk: Results of a Lifestyle Physical Activity Intervention*.

**Invited Presentations and Symposiums – Regional and Local**

14. **Smith, D.T.** Mission Lifeline Wyoming (American Heart Association), April 2015. Casper, WY. *Grant Completion Report: Wyoming Ambulance Transport Record (WATRS) contributes to improved STEMI/Cardiac system of care*.
15. **Smith, D.T.** Mission Lifeline Wyoming (American Heart Association), October 2014. Casper, WY. *Stakeholder Meeting Report: Wyoming Ambulance Transport Record (WATRS): what is the data telling us about STEMI/Cardiac system of care in Wyoming*.
16. **Smith, D.T.** Mission Lifeline Wyoming (American Heart Association), April 2014. Casper, WY. *Stakeholder Meeting Report: Achieving a representative STEMI/Cardiac system of care baseline in Wyoming*.
17. **Smith, D.T.** Wyoming INBRE Seminar Series, October 2009. Laramie, WY. *Is the “Cart leading the horse”? Problems with cardiometabolic disease prevention via pedometer-based physical activity interventions*.
18. **Smith, D.T.** Wyoming Peace Officers Association 81<sup>st</sup> Annual Conference. Sept. 18, 2008. Laramie, WY. *Physical Activity and YOU*.
19. **Smith, D.T.** Wyoming Association for Health, Physical Education, Recreation, and Dance, 2007 State Convention. Nov. 9, 2007. Laramie, WY. *Web-based Tool to Promote and Track Physical Activity in Schoolchildren: A School Community Participatory Research Approach*.
20. **Smith, D.T.** Focus on the healthy child: an interprofessional model, 2<sup>nd</sup> Annual College of Health Sciences Interprofessional Task Force Seminar, 2007. Laramie, WY. *Physical activity research in schools: outcomes and lessons learned*.
21. **Smith, D.T.** Wyoming Department of Health, Governor’s Conference on Aging, 2007. “*Fountain of youth discovered: Physical Activity*”. Casper, WY, speaker & panel discussant.
22. **Smith, D.T.** University of Wyoming College of Animal Sciences Seminar, 2007. Laramie, WY. *The Fat of the Matter: Issues in Adiposity*.
23. **Smith, D.T.** University of Wyoming College of Nursing, Nightingale Center for Nursing Scholarship Luncheon Series, 2007. Laramie, WY. *Internet-based Physical Activity Interventions: Oxymoron or just plain effective?*
24. **Smith, D.T.** Albany County School District Employee Wellness Seminar, 2007. Laramie, WY. *It’s your heart – primary prevention principles*.
25. **Smith, D.T.** University of Wyoming, College of Health Sciences, Interdisciplinary Stroke Symposium, 2006. Laramie, WY. *Primary prevention of stroke: Importance of physical activity in an integrated healthcare approach*.

26. **Smith, D.T.** University of Wyoming, College of Health Sciences, Nightingale Center for Nursing Symposium, 2003. Laramie, WY. *Young or Mature, Skinny or Portly, Physically Active or Inert: An evolving cardiovascular health research paradigm.*
27. **Smith, D.T.**, Greiner, J.J., Hoetzer, G.L., Casas, Y.G., Ng, M., Stauffer, B.L., and DeSouza, C.A. Denver, CO. *Capacity of the endothelium to release t-PA declines with age in healthy adult humans.* Hartford/Jahnigen Center for Excellence in Geriatrics, 2<sup>nd</sup> Annual Research Forum, 2002.
28. **Smith, D.T.**, Blackett, S.D., Greiner, J.J., Casas, Y.G., Tanaka, H., Seals, D.R., and DeSouza, C.A. *Greater endothelium-dependent vasodilation in endurance trained versus sedentary postmenopausal women.* Denver, CO. Hartford/Jahnigen Center for Excellence in Geriatrics, 1<sup>st</sup> Annual Research Forum, 2001.

### **Presentations (other)**

Langabeer, J., Gerard, D., Eisenhauer, M., **Smith, D.T.**, Khan, M., Krell, C., Prasad, S., Nelson, S., Leonard, B., and Segrest, W. *Developing a STEMI System of Care in Frontier Regions: The Wyoming Experience.* American Heart Association STEMI Texas Annual Conference, Houston, TX, 2014 (Awarded Top Scientific Poster Presentation).

Dai, B., Stephenson, M., Heinbaugh, E., Moynes, R., Rockey, S., Thomas, J., and **D.T. Smith.** *Lower extremity lean mass asymmetry correlated with force and power asymmetry during jumping in adults.* Oral presentation at International Society of Biomechanics in Sport Meeting. Johnson City, TN, 2014.

Stephenson, M., **Smith, D.T.**, Heinbaugh, E., Moynes, R., Rockey, S., Thomas, J., and B. Dai. *Total and lower extremity lean mass percentage positively correlates with jump performance.* Oral presentation at International Society of Biomechanics in Sport Meeting. Johnson City, TN, 2014.

Stephenson, M., **Smith, D.T.**, Heinbaugh, E., Moynes, R., Rockey, S., Thomas, J., and B. Dai. *Total and lower extremity lean mass percentage positively correlates with jump performance.* Oral presentation at Rocky Mountain Chapter of American Society of Biomechanics. Estes Park, CO, 2014.

Stephenson, M., **Smith, D.T.**, Heinbaugh, E., Moynes, R., Rockey, S., Thomas, J., and B. Dai. *Maximum pushup force as an alternative to assess upper extremity strength.* Poster presentation at American Society of Sports Medicine Meeting. Denver, CO, 2014.

**Smith, D.T.** *Short- and long-term efficacy of a 16-week internet-delivered physical activity behavior change program on cardiometabolic disease risk factors: A randomized control trial* Institutional Development Award (IDeA), 2<sup>nd</sup> Biennial NISBRE Conference, Washington D.C., 2008.

Dayton, J.L., Bartee, R.T., Coffey, A.R., Carr, L.J., Lohof, C., Dorozynski, C.M., and **Smith, D.T.** *Energy intake influenced by internet-based physical activity program.* American Alliance for Health, Physical Education, Recreation, and Dance National Meeting, Fort Worth, TX, 2008.

Stepans, M.B.F., Wilhelm, S., Rodehorst, T.K., **Smith, D.T.**, and Weinert, C. *Rural sample data collection: Now you see it, now you don't!* Council for advancement of nursing science. National Congress on State of the Science in Nursing Research, Washington D.C., 2006.

Rodehorst, T.K., and **Smith, D.T.** *Evaluating a Protocol for Collecting Urine from Infants for Measurement of Inflammatory Biomarkers.* Western Institute of Nursing Conference, 2005.

Bartee, R.T., **Smith, D.T.**, Nitschke, E.M., Tepper, M., and Hardy, A. *Linking researchers and rural communities using community-based participatory research principles.* Society for Public Health Education national meeting, Philadelphia, PA, 2005.

Hoetzer, G.L., Stauffer, B.L., Greiner, J.J., Casas, Y.G., **Smith, D.T.**, and DeSouza, C.A. Denver, CO. *Hormone replacement therapy and endothelial t-PA release in vivo*. Hartford/Jahnigen Center for Excellence in Geriatrics, 2<sup>nd</sup> Annual Research Forum, 2002.

**Smith, D.T.**, Greiner, J.J., Hoetzer, G.L., Casas, Y.G., Stauffer, B.L., and DeSouza, C.A. *Impaired endothelial t-PA release in obese/insulin resistant men*. Tempe, AZ. American Diabetes and American Heart Association Joint Conference, 2001.

**Graduate & Undergraduate Student Research Supervision and Committees**

- |     |  |              |
|-----|--|--------------|
| 1.  | Maggiore, Kristen - Graduate student (MS) Division of Kinesiology and Health<br>( <b>Chair</b> ; Thesis)               | 2023-present |
| 2.  | Powers, Aleksis - Graduate student (MS) Division of Kinesiology and Health<br>( <b>Chair</b> ; non-thesis)             | 2024         |
| 3.  | Bott, Nicole - Graduate student (MS) Division of Kinesiology and Health<br>( <b>Chair</b> ; Quickstart 4+1 non-thesis) | 2023         |
| 4.  | Nelson, Jared - Graduate student (MS) Division of Kinesiology and Health<br>(Committee Member)                         | 2022         |
| 5.  | Girtz, Amber - Graduate student (MS) Division of Kinesiology and Health<br>(Committee Member)                          | 2022         |
| 6.  | Shorthill, Samantha - Graduate student (MS) Division of Kinesiology and Health<br>(Committee Member)                   | 2024         |
| 7.  | Miller, Emily – Graduate student (MS) Department of Psychology<br>(Committee Member)                                   | 2022         |
| 8.  | Ashley Armstrong – Doctoral student Life Science Education<br>(Committee member)                                       | 2022         |
| 9.  | Li, Ling – Doctoral student Biomedical Sciences<br>(Committee Member)  | 2024         |
| 10. | Song, Yu – Doctoral student Biomedical Sciences<br>(Committee Member)  | 2023         |
| 11. | Abu-Ramadan, Tamara – Doctoral student Department of Psychology<br>(Committee Member)                                  | 2022         |
| 12. | Abu-Ramadan, Tamara – Graduate student (MS) Department of Psychology<br>(Committee Member)                             | 2021         |
| 13. | Cook, Ross – Graduate student (MS) Division of Kinesiology and Health<br>(Committee Member)                            | 2021         |
| 14. | Cate, Olivia – Honors research project ( <b>Advisor &amp; research director</b> )                                      | 2021         |
| 15. | John Vasko – Doctoral student Department of Psychology<br>(Committee Member)   | 2021-present |
| 16. | John Vasko – Graduate student (MS) Department of Psychology<br>(Committee Member)                                      | 2021         |
| 17. | MacKenzie DeHoff – Graduate student (MS) Division of Kinesiology and Health<br>( <b>Co-Chair</b> ; thesis)             | 2021         |
| 18. | Mariah Crowe – Graduate student (MS) Division of Kinesiology and Health<br>( <b>Chair &amp; thesis director</b> )      | 2021         |
| 19. | Judah Serrano – Doctoral student Department of Psychology<br>(Committee member)  | 2021         |
| 20. | Shaochen Huang – Doctoral student Biomedical Sciences<br>( <b>Co-chair</b> )   | 2020         |
| 21. | Judah Serano – Graduate Student (MS) Department of Psychology<br>(Committee Member)                                    | 2020         |
| 22. | Brandt, Madison – Honors research project ( <b>Advisor &amp; research director</b> )                                   | 2020         |
| 23. | Gorsic, Maya - Graduate student Division of Kinesiology and Health<br>(Committee member)                               | 2019         |

**Graduate & Undergraduate Student Research Supervision and Committees (continued)**

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|-----|---|--------------|
| 24. | LaCount, Patrick – Doctoral student Clinical Psychology<br>(Committee member)   | 2019         |
| 25. | Breton Van Syoc – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & thesis director)                          | 2019         |
| 26. | Layer, Jacob – Doctoral student Biomedical Sciences<br>(Committee member)   | 2016-present |
| 27. | Madden, Avery – Honors research project ( <b>Advisor</b> & research director)   | 2018         |
| 28. | Lauren Schiller – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & Plan B director)                          | 2018         |
| 29. | Barnes, Scarlett – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & thesis director)                         | 2017         |
| 30. | Slagowski, Chelsea – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & thesis director)                       | 2015         |
| 31. | Dixson, Sarah – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & thesis director)                            | 2015         |
| 32. | Wichern, Colter – Graduate student Division of Kinesiology and Health<br>(Committee member)   | 2014         |
| 33. | Rasmussen, Tyler – Graduate student Division of Kinesiology and Health<br>( <b>Co-chair</b> )                                       | 2015         |
| 34. | Peterson, Matt – Graduate student Division of Kinesiology and Health<br>(Committee member)  | 2015         |
| 35. | Stewart, Grant – Graduate student Division of Kinesiology and Health<br>(Committee member)  | 2015         |
| 36. | Moynes, Becky – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & thesis director)                            | 2015         |
| 37. | McGregor, Marjorie – Doctoral student Department of Zoology/Physiology<br>(Committee member)  | 2015         |
| 38. | Rob Watsabaugh – Graduate student Division of Kinesiology and Health<br>(Chair & thesis director; transitioned to committee member) | 2012-TBD     |
| 39. | Johnson, Morgan – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & Plan B supervisor)                        | 2014         |
| 40. | Strom, Nicole – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & Plan B supervisor)                          | 2015         |
| 41. | De Oliveira, Gisele Dias – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & thesis director)                 | 2013         |
| 42. | Calder, Corianne – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & thesis director)                         | 2010-2018    |
| 43. | Thomas, Joi – Ph.D. student, Division of Kinesiology and Health, Biomedical<br>Sciences Doctoral program. ( <b>Co-chair</b> )       | 2010-present |
| 44. | Giri, Basant – Doctoral Student, Department of Chemistry<br>(Committee member)  | 2013         |
| 45. | Rockey, Shawn – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & thesis director)                            | 2012         |
| 46. | Rice, Brady – Athletic Training graduate student Division of Kinesiology and<br>Health. ( <b>Chair</b> & thesis director)           | 2012         |
| 47. | Sexton, Megan – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & thesis director)                            | 2010         |
| 48. | Yanagisawa, Naoki – Ph.D. candidate, Department of Chemistry<br>(Committee member)  | 2013         |
| 49. | Moring, John – Ph.D. candidate, Department of Psychology<br>(Committee member)  | 2013         |



**Graduate & Undergraduate Student Research Supervision and Committees (continued)**

- |     |  |      |
|-----|--|------|
| 50. | Bischoff, Steve – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & thesis director)   | 2010 |
| 51. | Waggy, Ed - Graduate student Division of Kinesiology and Health<br>(Committee member)  | 2010 |
| 52. | Armstrong, Casey - Graduate student Division of Kinesiology and Health<br>(Committee member)   | 2010 |
| 53. | Willis, Kentz – Graduate student Division of Family and Consumer Science<br>(Committee member)   | 2010 |
| 54. | Gomashe, Chirag – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> and thesis director)   | 2009 |
| 55. | Dayton, Jana – Graduate student Division of Kinesiology and Health<br>( <b>Co-chair</b> & thesis director)   | 2009 |
| 56. | Thorat, Sachin – Graduate student Division of Kinesiology and<br>Health (Committee member)   | 2009 |
| 57. | Anderson, Brett – Graduate student Division of Kinesiology and Health<br>(Co-chair & thesis director)  | 2009 |
| 58. | Carr, Lucas, M.S. – Doctoral student, Department of Zoology and<br>Physiology & Division of Kinesiology and Health (Committee <b>Chair</b> and<br>dissertation director) | 2008 |
| 59. | Dorozynski, Christopher – Graduate student Division of Kinesiology and<br>Health ( <b>Chair</b> & thesis director)   | 2008 |
| 60. | Lohof, Christy – Graduate student Division of Kinesiology and<br>Health (Committee member)   | 2007 |
| 61. | Herman, Sonja – Graduate student athletic training, Division of Kinesiology<br>and Health ( <b>Co-chair</b> & thesis director)   | 2007 |
| 62. | Eskam, Darian – Graduate student Division of Kinesiology and<br>Health (Plan B Committee Member)   | 2007 |
| 63. | Tubbs, Virginia – Graduate student School of Nursing<br>(Plan B Committee member; graduate faculty representative)   | 2007 |
| 64. | Connally, Mathew – Graduate student Division of Kinesiology and Health<br>( <b>Co-chair</b> Plan B)  | 2006 |
| 65. | Donnini, Mike, B.S. – Graduate student Social Work<br>(Plan B Committee<br>member; graduate faculty representative)  | 2006 |
| 66. | Thompson, Sandee K., B.S., R.N. – Graduate student School of Nursing<br>(Plan B Committee member; graduate faculty representative)                                       | 2006 |
| 67. | Powell-Novick, Julie, B.S., R.N. – Graduate student School of Nursing<br>(Plan B Committee member; graduate faculty representative)                                      | 2006 |
| 68. | Costello, Amy, B.S. – Graduate student Division of Kinesiology and Health.<br>(Plan B committee member)  | 2005 |
| 69. | Fleenor, Jim, B.S.N. – Graduate student School of Nursing (Thesis<br>committee member and research co-director)  | 2005 |
| 70. | Dana, Lynne, B.S. – Graduate student Division of Kinesiology and Health<br>(Plan B Committee <b>Co-chair</b> )   | 2005 |
| 71. | Carr, Lucas, B.S. – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & advisor)   | 2004 |
| 72. | Combs, Andy, B.S. – Graduate student Division of Kinesiology and Health<br>( <b>Chair</b> & advisor)   | 2004 |
| 73. | Sallee, Laura, B.S. – Graduate student Division of Kinesiology and Health<br>(Thesis committee member)   | 2004 |
| 74. | Reyher, Tennille – Honors research project ( <b>Advisor</b> & research director)   | 2004 |
| 75. | Stimets, Lindsey – Undergraduate research assistant ( <b>Advisor</b> & research director)  | 2004 |

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|---|----------|
| 76. Asher, Cameron, B.S. – Graduate student Division of Kinesiology and Health (Advisor/Plan B Committee Chair) | Inactive |
| 77. Callahan, Justin, B.S. – Graduate student Division of Kinesiology and Health (Plan B Committee member)      | Inactive |

**Mentored National Science Foundation (NSF) Undergraduate EPSCoR Research Fellowships**

- |  |      |
|--|------|
| 1. Madden, Avery – Senior Honors Capston research director                   | 2018 |
| 2. Tieszen, Ally – Senior undergraduate, EPSCoR research director            | 2010 |
| 3. Gifford, Tyler – Freshman undergraduate EPSCoR research director          | 2010 |
| 4. McKissick, Lyle – Junior undergraduate, EPSCoR research director          | 2007 |
| 5. Bretting, Kevin – Senior undergraduate, EPSCoR research director          | 2007 |
| 6. Coffey, Allison – Junior undergraduate, EPSCoR research director          | 2006 |
| 7. Bretting, Kevin – Junior undergraduate, EPSCoR research director          | 2006 |
| 8. Vendela, Mandolyn – Senior undergraduate, EPSCoR research director        | 2005 |
| 9. Dorozynski, Christopher – Senior undergraduate, EPSCoR research director  | 2005 |
| 10. Dorozynski, Christopher – Senior undergraduate, EPSCoR research director | 2004 |

**Service**

University of Wyoming

- Chair – Athletic Planning Council: Fiscal Integrity sub-committee, 2022-2024  
 Committee member – Medical Education (WWAMI) Anatomist search committee 2021-2022  
 Chair – Medical Education (WWAMI) Director Search Committee, 2020-2021  
 Member – Honors College Council: Initiatives & Engagement Committee, 2020-2022  
 Member – Honors College Council, 2020-2022  
 Member – Athletic Planning Council: Gender, Equity, Diversity, & Inclusion committee, 2021-2022  
 Chair – Athletic Planning Council: Gender, Equity, Diversity, & Inclusion committee, 2019-2021  
 Co-Chair – International Advisory Committee: Health, Wellbeing, and Security committee, 2019-2020  
 Committee member – Director of Social Work search committee, 2018-2019  
 Committee member – Athletic Planning Council, 2017-**present**  
 Advisory Board Member – Honors College, 2017-2019  
 Advisory Board Member – LIFE Science program, 2017-**present**  
 Committee member – Compliance/Integrity Director, Office of Research & Economic Development, 2018  
 Co-Chair – Advising Re-design Advisory Group, Technology Committee, 2017-2019  
 Committee member – Advising Re-design Advisory Group, 2017-2018  
 Committee member and Agent of Change – WyoCloud Sponsorship Network, 2017-2018  
 Faculty Advisor – Exercise is Medicine On-Campus (ACSM), 2016-**present**  
 Member – Biomedical Sciences Doctoral Program Steering Committee, 2012-**present**  
 Co-Leader – Strategic Planning Listening Sessions, Academic Programs, Curriculum, & Quality 2016-17  
 Member – Advising Design Rapid Response Team, 2016-17. Developed centralized advising white paper  
 Committee member – College of Health Sciences Institute for Wyoming Health Research Committee, 2014-16  
 Committee member – College of Health Sciences Interprofessional Education Center, 2013-16  
 Committee member – College of Health Sciences Interprofessional Education Curriculum Committee, 2013-15  
 Committee member – University Tenure and Promotion Committee, 2013 (term discontinued due to Division Director appointment).  
 Chair – Physical Activity and Health faculty search, Division of Kinesiology and Health, 2011-12  
 Chair – University Institutional Review Board for Protection of Human Subjects, *Data Safety & Monitoring Board*. Developed & implemented university-wide data and safety monitoring board/program (DSMB/P), 2010-13  
 Chair – University Institutional Review Board for Protection of Human Subjects, 2009-13  
 Chair – University Radiation Safety Committee, 2009-12

Chair – Health Promotion faculty search committee, Division of Kinesiology and Health, 2009-10  
Committee member – University Institutional Review Board for Protection of Human Subjects, 2006-09  
Committee member – University of Wyoming Radiation Safety Committee, 2004-2009  
Advisor & curriculum contributor – College of Health Sciences HRSA Geriatric Education Center 2007  
Committee member – Kinesiology and Health Promotion Curriculum Committee, Division of Kinesiology and Health, 2006-present  
Chair – Exercise Science Curriculum review committee, Division of Kinesiology and Health, 2006-09  
Graduate Faculty Appointment – University of Wyoming Graduate School, 2004-present  
Committee member – Health Promotion faculty search committee, Division of Kinesiology and Health, 2005-06  
Committee member – College of Health Sciences, Faculty Council, 2004-2006  
Committee member – Exercise Psychologist/Neuroscientist search committee, Division of Kinesiology and Health, 2004  
Committee member – Physical Education Teacher Education search committee, Division of Kinesiology and Health, 2004

University of Colorado, Wake Forest University, & Colorado State University

Mentor – McNair Post-baccalaureate Achievement Program, 2002-03  
Academic Tutor – University of Colorado tutoring program, 1999-01  
Consultant – University of Colorado General Clinical Research Center, Core Physiology Laboratory, 2000  
Representative – Graduate Student Government, Wake Forest University, 1997-99  
Academic Tutor – Colorado State University, Anatomy/Physiology, 1995-96

Profession

External Program Reviewer – *University of New Mexico Health, Exercise & Sport Science*, 2020  
Editorial Board – *Journal of Science in Sports and Exercise*, 2018-present  
Committee member – American Kinesiology Association, Future Directions, 2017-2020  
Committee member – American College of Sports Medicine, Annual Meeting Clinical Exercise Physiology Symposia, 2015-2020  
Committee member – American Heart Association, Southwest Affiliate Research Committee, 2014-17  
Committee Member – American Heart Association Mission Life Line Grant, 2012-15  
Advisor/Mentor – National Science Foundation EPSCoR undergraduate research fellowships, 2004-12  
Member – State of Wyoming Chronic Disease Congress, Physical Activity Working Group, 2007-09  
Chair – Scientific free communication session. American College of Sports Medicine National Meeting 2007; Section C-18, Obesity, Type II Diabetes and Exercise.  
Board Member (Wyoming) – Rocky Mountain Chapter of the American College of Sports Medicine, 2004-07  
Chair – Scientific free communication session. American College of Sports Medicine National Meeting 2006; #1068, Acute Exercise/Training.  
Member – Wyoming Action for Healthy Kids State Team, 2005-07  
Research Educator – American Heart Association, Desert Mountain Affiliate, 2001-2003

Community & State

Wyoming Department of Health Continuing Education – 2022-**present**  
Director – Laramie Fire Department Health/Fitness Initiative – 2016-**present**  
Board of Directors – Healthy Kids Rx, Laramie, WY. 2018-2022  
Board of Directors – Eppson Center for Seniors, 2017-2018  
Coordinator – Health Education Field Trip Day 1<sup>st</sup> grade students; Beitel Elementary, 2009 & 10  
Youth Soccer Coach – Laramie Soccer Association and Blizzard Soccer Association, 2006-12  
Youth Basketball Coach – Laramie Recreation Center, 2012, 2014, 2017  
Coordinator – Annual Beitel Elementary 1<sup>st</sup> Grader Healthfair  
Volunteer – Colorado Chapter of the National Multiple Sclerosis Society, 2006-07

Science Fair Mentor – Wyoming High School Student Mentor, Health Sciences 2004  
 Research Service Volunteer – American Heart Association Heart Walk, 2002  
 Volunteer – St. Vrain Adult Literacy Program, 2000-01  
 Fundraiser – American Heart Association, 1997-99

### **Professional Memberships**

2016 – present American Kinesiology Association  
 1997 – Present American College of Sports Medicine  
 2003 – 2023 American College of Sports Medicine, Rocky Mountain Chapter  
 2005 – 2007 Society of Public Health Education  
 2000 – 2004 American Heart Association  
 2000 – 2004 American Physiological Society  
 1999 – 2001 American Association of Cardiovascular and Pulmonary Rehabilitation

### **Peer Reviewer**

United States Department of Agriculture – Agriculture Experiment Station ad hoc grant reviewer  
 National Institutes of Health, NCCR, University of Wyoming INBRE – Undergraduate Student Research Fellowship reviewer  
 Journal of Cardiopulmonary Rehabilitation  
 Journal of Applied Physiology  
 American Journal of Physiology: Regulatory  
 American Journal of Physiology: Endo. and Metab.  
 Medicine and Science in Sports and Exercise  
 Journal of Rural Health  
 Journal of Nutrition, Health, and Aging  
 International Journal of Sports Medicine  
 Sports Medicine Reviews  
 Preventive Medicine  
 Journal of Physical Activity and Health  
 Journal of Medical Internet Research

### **Professional Development & Certifications (selected)**

- Linked-IN Learning – Managing a remote workforce (2022 & 2023)
- University of Wyoming Leadership Training and Department Head Workshops (2013-15)
- Advanced Cardiac Life Support (1998-present). Basic Life Support and First Aid (1995-present)
- Creating Inclusive Classrooms for Student Success (Office of Diversity, Equity, & Inclusion; 2/12/18)
- Promoting Quality Undergraduate Program (American Kinesiology Association; 1/26/18)
- Challenging People & Challenging Discussions (Amer. Kinesiology Assoc. Pre-Conference; 1/25/18)
- Fair and Equitable Employment Search Practices (Office of Diversity, Equity, & Inclusion; 1/12/18)
- Relationship Building On- and Off-campus (American Kinesiology Association; 1/26/17)
- Quality Graduate Education Programs (American Kinesiology Association Pre-Conference; 1/25/17)
- Sexual Misconduct & Duty to Report (Office of Diversity, Equity, & Inclusion; 4/27/16)
- Public Responsibility in Medicine and Research (PRIM&R; 1/26/12)
- Ethical Consideration in Research Collaborations (training with HHS, NIH, OHRP; 9/22-23/11)
- American College of Sports Medicine, *Certified Exercise Specialist* (1998-2009)
- University of Wyoming Research Office sponsored Grant Writer's Symposium (2005 & 2007)
- Ellbogen Center for Teaching and Learning *New Faculty Workshops* (2004-07)**Professional**
- Self-paced Microsoft Access and FrontPage training – University Information Technology

### **Teaching**

<u>Course (#)</u>	<u>Course Name</u>	<u>Year</u>	<u>Credits</u>	<u>Students (#)</u>
KIN 4099	Exploration of Global Health (Italy Education Abroad)	Su 2024	3	20
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	F 2022	4	15

**Teaching (continued)**

<u>Course (#)</u>	<u>Course Name</u>	<u>Year</u>	<u>Credits</u>	<u>Students (#)</u>
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	F 2022	4	24
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	F 2021	4	17
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	F 2020	4	18
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	F 2019	4	22
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	F 2018	4	21
KIN 4074/ 5586	Gannett Peak Expedition Training	Su 2018	2	8
KIN 5586	History of Exercise Science: Past to Present	Sp 2018	3	10
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	F 2017	4	27
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	Sp 2017	4	14
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	Sp 2016	4	12
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	F 2015	4	15
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	Sp 2015	4	23
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	Sp 2014	4	15
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	F 2013	4	17
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	Sp 2013	4	21
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	F 2012	4	14
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	Sp 2012	4	14
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	F 2011	4	20
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	Sp 2011	4	25
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	F 2010	4	18
KIN 4062/ 5062	Applied Concepts in Human Aging: Physiology and Pathophysiology	F 2010	3	36
KIN 4056/ 5056	Advanced & Exercise Testing & Prescription	Sp 2010	4	27
KIN 4062/ 5062	Applied Concepts in Human Aging: Physiology and Pathophysiology	F 2009	3	36
KIN 4062	Applied Concepts in Human Aging: Physiology and Pathophysiology	F 2008	3	26
KIN 3021	Physiology of Exercise	Sp 2008	4	20
KIN 4056/ 5056	Health Appraisal & Exercise Testing	F 2007	3	29

**Teaching (continued)**

<u>Course (#)</u>	<u>Course Name</u>	<u>Year</u>	<u>Credits</u>	<u>Students (#)</u>
KIN 4062/ 5062	Applied Concepts in Human Aging: Physiology and Pathophysiology <i>Graduate Assistant - supervisor</i>	F 2007	3	40
KIN 3021	Physiology of Exercise	Sp 2007	4	21
KIN 4097	Independent problems: Electrocardiography	Sp 2007	3	1
KIN 5586	Seminar in: Advanced research practice in physical activity	Sp 2007	3	1
KIN 5586	Seminar in: Advanced exercise testing	Sp 2007	3	1
KIN 4062/ 5062	Applied Concepts in Human Aging: Physiology and Pathophysiology <i>Graduate Assistant - supervisor</i>	F 2006	3	18
KIN 4062/ 5062	Applied Concepts in Human Aging: Physiology and Pathophysiology	Sp 2006	3	17
KIN 5586	Seminar in: Clinical Cardiovascular and Metabolic Disorders	F 2005	3	3
KIN 4062/ 5062	Applied Concepts in Human Aging: Physiology and Pathophysiology <i>Graduate Assistant - supervisor</i>	F 2005	3	16
KIN 5586	Seminar in: Applied Concepts in Human Aging	S 2005	3	1
KIN 4900	Topics in: Applied Concepts in Human Aging	Sp 2005	3	12
ZOO/KIN 3021	Physiology of Exercise	S 2004	4	22
KIN 5586	Seminar in: Clinical Cardiovascular and Metabolic Disorders	F 2004	3	3
KIN 4900	Topics in: Applied Concepts in Human Aging <i>Graduate Assistant - supervisor</i>	F 2004	3	16
KIN 5586	Seminar in: Applied Concepts in Human Aging	Sp 2004	3	8
KIN 5586	Seminar in: Applied Concepts in Human Aging	F 2003	3	12
KIN 4900	Topics in: Applied Concepts in Human Aging	F 2003	3	27

**Media**

2022, October 28: UW News Highlight: [UW Undergraduate's Research Leads to Invention of Technology for Telerehabilitation](#)