



Candidate for President-Elect



Jody Clasey, PhD, FACSM

University of Kentucky

I am extremely honored to be nominated to run for President of the Southeast American College of Sports Medicine (SEACSM). I became a member of SEACSM while I was a postdoctoral fellow at the University of Virginia, and combining my years spent at the University of Kentucky I have been a member of SEACSM nearly 30 years. I have served SEACSM in several different capacities over the years including serving as an At-large Member of the Executive Board, Chair of the former Women's Breakfast and a committee member for the Emily M. Haymes Mentoring Breakfast Committee, as an abstract reviewer, as a poster presentation judge, and as a moderator for oral and thematic poster presentation sessions. I have also been involved with helping to seek and secure sponsorship. The SEACSM has helped me development mentorship skills and provided me with mentorship throughout my entire career. SEACSM has been instrumental in helping me develop collaborations and friendships that have been crucial to my personal and professional growth. Therefore, when asked the question "Why do you want to serve SEACSM as President?" my simple response would be "to pay it forward." I would like to continue to provide leadership and support for programs that benefit undergraduate and graduate students, postdoctoral fellows, and faculty of all ranks...and provide support to new initiatives that would benefit all members of SEACSM and beyond. It would be my goal to provide excellence in leadership that would help maintain the quality programming and initiatives that SEACSM has established and maintained throughout the years, and continue to provide valuable and significant contributions to the American College of Sports Medicine.

CURRICULUM VITAE
Jody L. Clasey, Ph.D., FACSM, FTOS

GENERAL INFORMATION

Current Primary Position Professor, Department of Kinesiology and Health Promotion

Office Address University of Kentucky
Department of Kinesiology and Health Promotion
216 Seaton Center
Lexington, KY 40506-0219

Office Phone (859) 257-8055
Office Fax (859) 323-1090
E-Mail jlclas0@uky.edu or jody.clasey@uky.edu

CERTIFICATIONS

International Society for Clinical Densitometry (ISCD) Physician Certified Clinical Densitometrist
State of Kentucky, Radiation Operator Certification/Bone Densitometry; Certification No. 71-034-10370
American Heart Association CPR and AED Certification
State of Illinois, Board Certified Teacher; Special K-12 Physical Education; No. 1199960
BOD POD and BOD POD ST Body Composition Operator; Life Measurement Instruments Inc.
Protection of Human Subjects; University of Kentucky and University of Virginia
Bloodborne Pathogens General Awareness Training; University of Kentucky
Protection of Human Subjects Training and Certification (CITI); University of Kentucky
Magnetic Resonance Imaging and Spectroscopy Center (MRISC) Independent Scanning Certification;
University of Kentucky

EDUCATION

1993-1997 Postdoctoral Fellow, Department of Internal Medicine, Division of Endocrinology and Metabolism, University of Virginia, Charlottesville, Virginia

1987-1993 Ph.D.; Kinesiology/Exercise Physiology, University of Illinois, Urbana-Champaign, Illinois

1985-1987 M.S.; Kinesiology/Exercise Physiology, University Of Illinois, Urbana-Champaign, Illinois

1979-1984 B.S.; Physical Education K-12 Certification, Minor: General Science, University of Illinois, Urbana-Champaign, Illinois

ACADEMIC/PROFESSIONAL APPOINTMENTS

2020-present	Adjunct/Associate Faculty, Department of Pediatrics: University of Kentucky
2014-present	Professor, Department of Kinesiology and Health Promotion: University of Kentucky College of Education
2014-present	Director: University of Kentucky CCTS Translational Analytic and Assessment Service Core (Assessment Laboratory)
2009-present	Faculty Member: University of Kentucky Barnstable Brown Kentucky Diabetes and Obesity Center
2008-present	Director: University of Kentucky Center CR Doc Functional Assessment and Body Composition Core Laboratory
2008-present	Faculty Member: University of Kentucky Center for Muscle Biology
2009-present	Associate Faculty: University of Kentucky College of Public Health
2003-2014	Associate Professor with Tenure: University of Kentucky College of Education
2002-present	Director: University of Kentucky, Pediatric Exercise Physiology Laboratory, Department of Kinesiology and Health Promotion
2002-2005	Director: University of Kentucky General Clinical Research Center Exercise Physiology Laboratory
2001-present	Associate Faculty: University of Kentucky, Spinal Cord and Brain Injury Research Center
2000-2002	Assistant Professor: University of Kentucky, Department of Nutritional Sciences; Human Nutrition Assessment (NS 640); Body Composition Theory, Methods and Assessment Sections
1999-present	Associate Faculty: University of Kentucky, Department of Nutritional Sciences, Graduate College
1999-present	Associate Faculty: University of Kentucky, Department of Physical Medicine and Rehabilitation
1999-present	Director: University of Kentucky, Body Composition Core Laboratory, Department of Kinesiology and Health Promotion
1998-2003	Assistant Professor: University of Kentucky, Department of Kinesiology and Health Promotion

- 1993-1997 Postdoctoral Fellow: University of Virginia, University of Virginia School of Medicine
Diabetes and Hormone Action Research Traineeship, #5 T32 DK07320
National Research Service Award: National Institute of Aging, #AGO5673-01
- 1995 Research Assistant/Study Coordinator: University of Virginia, Division of
Endocrinology and Metabolism, Department of Internal Medicine
- 1992-1993 Exercise Technician: Universal Fitness Network (Champaign, IL), Testing and screening
of police officer training candidates
- 1989-1990 Exercise Technician: University of Illinois, Physical Fitness Research Laboratory and
Rehabilitative Services, Data collection of metabolic testing for paraplegic populations
- 1989-1990 Exercise Technician: University of Illinois, Physical fitness Research Laboratory and
Department of Internal Medicine, Data collection of metabolic testing for infrared
thermography study
- 1988-1989 Graduate Assistant: Supervisor/Instructor, University of Illinois Lifetime Fitness
Program
- 1987-1993 Graduate Research Assistant: University of Illinois, Physical Fitness Research
Laboratory
- 1989-1993 Graduate Teaching and Laboratory Assistant: University of Illinois, Graduate Classes
(Exercise Physiology, Research Methods and Body Composition courses)
- 1987-1993 Graduate Teaching Assistant: University of Illinois, Undergraduate Classes (Exercise
Physiology and Coaching Theory courses)
- 1985-1987 Graduate Assistant Coach: University of Illinois Athletic Association Volleyball
Coaching Staff
- 1984-1985 Graduate Teaching Assistant: University of Illinois, Undergraduate Classes (Beginning
and advanced volleyball, badminton and weight training)
- 1984-1985 Graduate Assistant: University of Illinois Adult Fitness Program
- 1980-1985 Instructor and Data Collection Coordinator: University of Illinois Sports Fitness Summer
Program

COMMITTEES/POSITIONS SERVED

National

- 2015-present American College of Sports Medicine Pediatric Special Interest Group: Member
Co-Chair: 2019-present
- 2012-2019 Associate Editor; Research Quarterly for Exercise and Sport (Physiology)
- 2002 - 2005 American College of Sports Medicine: Pronouncement Committee Member
- 1999-2001 American Alliance of Health, Physical Education, Recreation and Dance, Physical
Fitness Council Chair

Regional

- 2018-2021 Southeast Region of the American College of Sports Medicine: Subcommittee of
the Executive Board for the Emily Haymes Mentoring Breakfast
- 2015-2017 Southeast Region of the American College of Sports Medicine: Executive Board
Member
- 2008 -2011 Southeast Region of the American College of Sports Medicine: Women and
Research Committee (Chair)
- 2006 Southeast Region of the American College of Sports Medicine: Session Chair
Thermoregulation in the child athlete: are they at risk?

State

- 2018-2024 Board of Directors: Kentucky Science Center, Louisville, KY
- 2012, 2014-2016 Expert Panelist: Youth Science Summit; Louisville Science Center
- 2011 Expert Panelist: Scientific Proofs: An After-hours informal dialogue of timely
science topics (Topic: Childhood Obesity); Louisville Science Center
- 2010 Judge: Virtual Science Challenge; Louisville Science Center, 2010
- 2009 Judge: Virtual Science Challenge; Louisville Science Center, 2009
- 2009 The Lieutenant Governor of the Commonwealth of Kentucky Committee on
Cardiovascular Health
- 2002-2003 The Lieutenant Governor of the Commonwealth of Kentucky Task Force:
Childhood Nutrition and Fitness: Chairperson: Research and Grants Committee
- 2002-2003 The Lieutenant Governor of the Commonwealth of Kentucky Task Force:

Childhood Nutrition and Fitness: Member Task Force Executive Steering Committee

2001-2005 The Lieutenant Governor of the Commonwealth of Kentucky Task Force: Childhood Nutrition and Fitness: Member

University

2021-present University of Kentucky, College of Education Faculty Council (member)

2019-present University of Kentucky, Division of Pediatrics, Pediatric Research Committee (member)

2017-2021 University of Kentucky CCTS Collaborative Pilot Grant Reviewer

2018-present University of Kentucky KHP Alumni Award Committee (Chair 2020-present)

2017-2018 Exercise Physiology Faculty Search Committee (Chair), Department of Kinesiology and Health Promotion, University of Kentucky

2017 Special Title Series Exercise Physiology Faculty Search Committee (Chair), Department of Kinesiology and Health Promotion, University of Kentucky

2017 Biomechanics Faculty Search Committee, Department of Kinesiology and Health Promotion, University of Kentucky

2017-present Chair's Advisory Committee, Department of Kinesiology and Health Promotion, University of Kentucky

2016-2019 College of Education Promotion and Tenure Committee, University of Kentucky
Chair (2017-2019)

2013-2017 College of Education Engagement and Innovation Partners Committee, University of Kentucky: Member

2013 Exercise Physiology Faculty Search Committee, Department of Kinesiology and Health Promotion, University of Kentucky: Member

2012 Exercise Physiology Faculty Search Committee, Department of Kinesiology and Health Promotion, University of Kentucky: Chair

2011-present Medical Institutional Review Board (IRB), University of Kentucky, Office for Human Research Protection (OHRP), Member

2011 Biomechanics Faculty Search Committee, Department of Kinesiology and Health Promotion, University of Kentucky: Chair

2011	Mentor/Reviewer: Appalachian Health Summit: Focus on Obesity, Lexington, KY
2010	Lecturer (2) Search Committee, Department of Kinesiology and Health Promotion, University of Kentucky: Member
2010	Exercise Physiology Laboratory Tour and Focus Group Presentation: Verity Middle School
2010	Math Across Campus Program; The Math Behind Testing a Female Athlete, University of Kentucky
2009-2010	Deans' Inter-professional Honors Colloquium Faculty, University of Kentucky
2009-present	Office of Research Integrity Review Committee, University of Kentucky
2008-present	Barnstable Brown Diabetes and Obesity Center; Member, University of Kentucky
2007	Associate Dean of Research Search Committee, College of Education, University of Kentucky
2006-2007	Biomechanics Faculty Search Committee, Department of Kinesiology and Health Promotion, University of Kentucky: Member
2006-2014	Research Advisory Committee, College of Education, University of Kentucky
2005-2008	University Research Advisory Committee (URAC), University of Kentucky
2005-2016	Faculty Council Committee (Chair; 2006-2007), College of Education, University of Kentucky
2004	Department of Kinesiology and Health Promotion, University of Kentucky; Lovaine C. Lewis Scholarship Selection Committee
2001, 2002, 2004 2008-present	Department of Kinesiology and Health Promotion, University of Kentucky; Graduate Seminar Series in Exercise Science: Supervisor/Facilitator
2002-2013	Department of Kinesiology and Health Promotion, University of Kentucky; Research and Graduate Studies Enhancement Committee: Member
2001-present	Graduate Center for Nutritional Sciences, University of Kentucky; Executive Committee (2001-2004); Member
2001-present	Spinal Cord and Brain Injury Research Center (SCoBIRC), University of Kentucky; Research Committee: Member

1998-2006	Department of Physical Medicine and Rehabilitation, University of Kentucky, Research Committee: Member
2000-2004	Department of Physical Medicine and Rehabilitation, University of Kentucky, Endow Chair Search Committee: Member
1999-present	University of Kentucky Body Composition Core Laboratory Research Committee, Chairperson
1999-2001	R.D. and Caroline Kirkpatrick Scholarship Fund Selection Committee, University of Kentucky: Member
1998-present	Ph.D. Program Development Committee, Department of Kinesiology and Health Promotion, University of Kentucky: Member
1998	Biomechanics Faculty Search Committee, Department of Kinesiology and Health Promotion, University of Kentucky: Member
1998-present	Graduate Faculty, Department of Kinesiology and Health Promotion, University of Kentucky: Associate Member
1996	Graduate Thesis Research Advisory Committee, Department of Human Services, University of Virginia: Member/Mentor
1992-1993	Varsity I Association Board of Directors, University of Illinois: Member
1987-1989	Athletic Association Board of Directors, University of Illinois: Member Subcommittees: Academic Progress and Eligibility Committee Athletic Director Search Committee Reorganization of Athletic Program Committees
1987	Senior Honors Committee, Department of Kinesiology, University of Illinois: Member
1988	Laura J. Huelster Scholarship Award Committee, Department of Kinesiology, University of Illinois, Member
1987-present	Networkers: University of Illinois Varsity Volleyball Support Group, Urbana, IL

PUBLISHED MANUSCRIPTS, POSTION PAPERS and ABSTRACTS

* *Lead* (or first) author designated as the first author and *Senior* author designated as the final author listed on all manuscripts and abstracts

Manuscripts in Review (Refereed Journals)

Jacobs, MV, JM Pohl, AD Fain, **JL Clasey**, BM Gaffney, CJ McLouth, MB Sheppard, MA Samaan. Assessment of hip joint mechanics during walking in people with Marfan Syndrome. *Gait and Posture*, 2024.

Anderson, AN, B Bazrgari, KL Thompson, F Gao, **JL Clasey**, MA Samaan. Effects of seat height and seat tube angle on cycling performance and the implications for downward seat inclination. *International Journal of Exercise Science*, 2023.

Manuscripts in Press (Refereed Journals)

Naylor, TR, T Vogelaar, MV Jacobs, **JL Clasey**. Peak Responses to Graded Exercise in Young Children. *Exercise, Sport, and Movement*, 2024.

Naylor, TR, MV Jacobs, MC Taylor, Jr, **JL Clasey**. Comparison of Cardiorespiratory Fitness Testing Measures in Young Children. *International Journal of Exercise Science*, 2024.

Jacobs MV, **JL Clasey**, K Jochimsen, MA Samaan. Exploratory Analysis of Gait Mechanics in Farmers. *Journal of Occupational & Environmental Hygiene*, 2024.

Succi PJ, TK Dinyer-McNeely, C Voskuil, B Benitez, M Kwak, CJ Mitchinson, MG Abel, **JL Clasey**, HC Bergstrom. Physiological, Perceptual, and Neuromuscular Responses to VO₂-Clamped Cycle Ergometry. *Physiologia*, 2024.

Jacobs, MV, JM Pohl, **JL Clasey**, CJ McLouth, MB Sheppard, MA Samaan. People with Marfan Syndrome ambulate with altered joint mechanics. *International Journal of Exercise Science*, 2024.

Manuscripts Published (Refereed Journals)

Thomas, JM, PA Kern, HM Bush, SJ Robbins, WS Black, JS Pendergast, **JL Casey**. Exploring the role of sex in the association of late chronotype on cardiorespiratory fitness. *Physiological Reports*, 12(2024); <https://doi.org/10.14814/phy2.15924>.

Ball L, MV Jacobs, C McLouth, **JL Clasey**, C Francomano, M Sheppard, MA Samaan. Unraveling the Elastic Stride: Exploring Gait Mechanics and Muscle Strength in Hypermobility Ehlers Danlos Syndrome. *Journal of Clinical Biomechanics*, 2024 <https://doi.org/10.1016/j.clinbiomech.2024.106210>.

Gustave D, CJ Mitchinson, PJ Succi, B Benitez, M Kwak, KR Lanphere, **JL Clasey**, HC Bergstrom. Metabolic and Perceptual Responses to Constant Heart Rate Exercise at Vigorous Intensities in Women. *Medicine and Science in Sports and Exercise*, 2024; <https://doi.org/10.1249/mss.0000000000003381>.

Succi, P.J., TK Dinyer-McNeely, CC Voskuil, MG Abel, **JL Clasey**, HC Bergstrom. Responses to exercise at Critical Heart Rate versus the Power Output associated with Critical Heart Rate. *Journal of Strength and Conditioning Research*, Published Ahead of Print, DOI: 10.1519/JSC.0000000000004547, 2023.

Clasey, JL, EA Easley, M Murphy, H Huang, JA Bauer. BMI percentiles vs body composition assessments in school age children: practical challenges for disease risk classifications. *Frontiers in Pediatrics (Obesity)*,

<https://doi.org/10.3389/fped.2023.11129202022>, 2023.

Sarri, A, X Ma, **JL Clasey**, L Bollinger, M Abel. Heart rate dynamics during a simulated fireground test: The influence of physical characteristics and fitness. *Work* 76(1): 251-262, 2023.

Carpenter, RS, MA Samaan, **JL Clasey**, TA Butterfield, F Gao, P Hardy, LM Bollinger. Association of Vastus Lateralis Diffusion Properties with In Vivo Quadriceps Contractile Function in Premenopausal Women. *Scandinavian Journal of Medicine & Science in Sports*, <https://doi.org/10.1111/sms.142662022>, 2022.

Thomas, JM, WS Black, PA Kern, JS Pendergast, **JL Clasey**. Heart Rate Recovery as an Assessment of Cardiorespiratory Fitness in Young Adults. *J of Clinical Exercise Physiology*, 11(2):44-53, <https://doi.org/10.31189/2165-6193-11.2.442022>, 2022.

Murphy, MO, H Huang, JA Bauer, A Shadler, **JL Clasey**, AS Chrishti, SG Kiessling. Impact of pediatric obesity on diurnal blood pressure assessment and cardiovascular risk markers. *Frontiers in Pediatrics: Pediatric Nephrology*, 2021, <https://doi.org/10.3389/fped.2021.596142>.

Keeler, JM, BS Fleenor, **JL Clasey**, A Stromberg, MG Abel. Predictors of Arterial Stiffness in Law Enforcement Officers. *International J of Environmental Research and Public Health* (18(19)), 10190, 2021 <https://doi.org/10.3390/ijerph181910190>.

Clasey, JL, AM Adams, PJ Geiger, SC Segerstrom, LJ Crofford. Estimation of cardiorespiratory fitness without exercise testing: Cross-validation in midlife and older women. *J Women's Health Reports* 1(1), 2020. DOI: 10.1089/whr.2020.0045.

Dinyer, TK, MT Byrd, PJ Succi, **JL Clasey**, HC Bergstrom. Contributions of maximal strength and body composition characteristics to resistance exercise performance at critical resistance. *Journal of Exercise Physiology* online 23(3) 25-37, 2020.

Lesniak, A, H Bergstrom, **JL Clasey**, AJ Stromberg, MG Abel. The Effect of Personal Protective Equipment on Firefighter Occupational Performance. *Journal of Strength and Conditioning*, 34(8): 2165-2172, 2020.

Thomas, JM, P Kern, HM Bush, KJ McQuerry, WS Black, **JL Clasey***, J Pendergast*. Circadian rhythm phase shifts caused by timed exercise vary with chronotype in young adults. *J Clin Investigation Insight*, 5(3): e134270. <https://doi.org/10.1172/jciinsight.134270>, 2020.

Johnson, NF, BT Gold, AL Bailey, **JL Clasey**, V Gupta, S Leung, D Ross, DK Powell. Non-fasting high-density lipoprotein is associated with white matter microstructure in healthy older adults. *Front, Aging Neurosci*, 11:100. Doi: 10.3389/fnagi.2019.00100, 2019.

Dinyer, TK, MT Byrd, AN Vesotsky, PJ Succi, **JL Clasey**, HC Bergstrom. The Sensitivity of the Critical Resistance Model to Detect Sex-related Differences in Fatigue during Submaximal Muscular Contractions. *Journal of Science in Sports and Exercise*, 1: 151-158, 2019.

Judge, ST, **JL Clasey**, LJ Crofford, SC Segerstrom. Optimism and Pain Interference in Aging Women. *Annals of Behavioral Medicine*. doi: 10.1093/abm/kaz040, 2019

- Dinyer, TK, MT Byrd, MJ Garver, AJ Rickard, WM Miller, S Burns, **JL Clasey**, HC Bergstrom. Low-Load vs. High-Load Resistance Training to Failure on One Repetition Maximum Strength and Body Composition in Untrained Women. *Journal of Strength and Conditioning* 33(7): 1737-1744, 2019.
- Sims, M., Erwin, H. E., Abel, M.G., **Clasey, J.**, Beighle, A., & Fedewa, A. Descriptive analysis of the System for Observing Dance Activities in the Classroom Environment (SODANCE). *Journal of Dance Education*. DOI: 10.1080/15290824.2019.1572153, 2019.
- Bergstrom, HC, MT Byrd, BJ Wallace, **JL Clasey**. Examination of a Multi-ingredient Pre-workout Supplement on Total Volume of Resistance Exercise and Subsequent Strength and Power Performance. *Journal of Strength and Conditioning* 32(6): 1479-1490, 2018.
- Al-Attar, A, SR Presnell, **JL Clasey**, DE Long, G Watson, M Sexton, ME Starr, PA Kern, CA Peterson, CT Lutz. Human Body Composition and Immunity: Visceral Adipose Tissue Produces IL-15 and Muscle Strength Inversely Correlates with NK Cell Function in Elderly Humans. *Frontiers in Immunology* 9:440, DOI: 10.3389/fimmu.2018.00440, 2018.
- Byrd, MT, BJ Wallace, **JL Clasey**, HC Bergstrom. Contributions of Lower Body Strength Parameters to Critical Power and Anaerobic Work Capacity. *Journal of Strength and Conditioning*, doi: 10.1519/JSC.0000000000002555, 2018.
- Schulte, M, **JL Clasey**, BS Fleenor, HC Bergstrom. Examination of resistance settings based on body weight for the 3-min all-out critical power test. *International Journal of Exercise Science* 11(4): 585-597, 2018.
- Bresnahan, J, G Farkas, **JL Clasey**, JW Yates, D Gater. Arm crank ergometry improves cardiovascular disease risk and community mobility independent of body composition in high motor complete spinal cord injuries. *The Journal of Spinal Cord Medicine*, doi.org/10.1080/10790268.2017.1412562, 2018
- Easley, EA, WS Black, AL Bailey, TA Lennie, **JL Clasey**. Heart rate recovery responses to maximal exercise in healthy-weight children and children with obesity. *Research Quarterly for Exercise and Sport*, ISSN: 0270-1367, 2168-3824; DOI: 10.1080/02701367.2017.1407492; p. 1-9, 2017.
- Byrd, MT, JR Switalla, JE Eastman, BJ Wallace, **JL Clasey**, HC Bergstrom. Contributions of Body Composition Characteristics to Anaerobic Work Capacity and Critical Power during Cycling Performance. *International Journal of Sports Physiology and Performance* 13(2):189-193, 2017.
- Johnson, NF, BT Gold, CA Brown, EF Anggelis, AL Bailey, **JL Clasey**, DK Powell. Endothelial Function is Associated with White Matter Microstructure and Executive Function in Older Adults. *Frontiers in Aging Neuroscience* 9(255), 2017.
- Abshire AA, DK Moser, **JL Clasey**, ML Chung, SJ Pressler, SB Dunbar, S Heo, TA Lennie. Body composition and bone mineral density in patients with heart failure. *Western Journal of Nursing Research*, 39(4):582-599, 2017.
- Moore, SM, AJ Berrones, **JL Clasey**, MG Abel, BS Fleenor. Arterial hemodynamics are impaired at rest and following acute exercise in overweight young men. *Vascular Medicine* 21(6): 497-505, 2016.

- Johnson NF, BT Gold, AL Bailey, **JL Clasey**, JG Hakun, M White, DE Long, DK Powell. Cardiorespiratory fitness modifies the relationship between myocardial function and cerebral blood flow in older adults. *NeuroImage*. 131:126-32, 2016.
- Sims M, M Abel, **J Clasey**, A Beighle, A Fedewa, HE Erwin. Development of a System for Observing Dance Activities in the Classroom Environment (SODANCE). *Research in Dance Education* 17(3):161-175, 2016.
- Cleary LC, LJ Crofford, D Long, R Charnigo, **JL Clasey**, F Beaman, KA Jenkins, N Fraser, A Srinivas, N Dhaon, BY Hanaoka. Does Computed Tomography–Based Muscle Density Predict Muscle Function and Health-Related Quality of Life in Patients With Idiopathic Inflammatory Myopathies? *Arthritis Care & Research* 67(7):1031-1040, 2015.
- Tranel HR, EA Schroder, J England, WS Black, H Bush, ME Hughes, KA Esser, **JL Clasey**. Physical Activity and not fat mass is a primary predictor of circadian parameters in young men. *Chronobiology International* 32(6):832-41, 2015.
- Pawlak R, **JL Clasey**, T Palmer, TB Symons, MG Abel. The Effect of a Novel Tactical Training Program on Physical Fitness and Occupational Performance in Firefighters. *Journal of Strength and Conditioning Research* 29(3):578-88, 2015.
- Cleary LC, L Crofford, D Long, R Charnigo, **JL Clasey**, F Beaman, KA Jenkins, N Fraser, A Srinivas, N Dhaon, BY Hanaoka. Does computed tomography-based muscle density predict muscle function and health-related quality of life in patients with idiopathic inflammatory myopathies? *Arthritis Care and Research* 67(7):1031-40, 2015.
- Beck, AQ, **JL Clasey**, JW Yates, NC Koebke, TG Palmer, MG Abel. Relationship of physical fitness measures versus occupational physical ability in campus law enforcement officers. *Journal of Strength and Conditioning Research* 29(8):2340-50, 2015.
- Baggaley M, B Noehren, **JL Clasey**, R Shapiro, MB Pohl. Frontal plane kinematics of the hip during running: Are they related to hip anatomy and strength? *Gait & Posture* 42(4):505-10, 2015.
- Wheeler LA, SE Cashin, LA Klos, AE Rote, **JL Clasey**, AM Swartz. Validation of a hand-held bioelectrical impedance device for the assessment of body fat in young and old adults. *International Journal of Body Composition Research*, 11(2):59-66, 2013.
- Palmer KL, **JL Clasey**, R Hosey, C Mattacola. A comparison between bone mineral density of the distal tibia in swimmers with and without medial tibial stress syndrome (MTSS) following dry-land, weight bearing training. *Athletic Training and Sports Health Care* 5(4): 160-167, 2013.
- Johnson N, C Kim, **JL Clasey**, A Bailey, BT Gold. Cardiorespiratory fitness is positively correlated with cerebral white matter integrity in healthy seniors. *Neuroimage* 59(2):1514-1523, 2012.
- Clasey, JL**, KD Bradley, JW Bradley, DE Long, JR Griffith. A New BIA Equation Estimating the Body Composition of Young Children. *Obesity* 19(9):1813-1817, 2011.

- Seeley, MK, BR Umberger, **JL Clasey**, R Shapiro. The relation between mild leg-length inequality and asymmetry in healthy walking. *Journal of Sports Science and Medicine* 9:572-579, 2010.
- Long, DE, LM Gaetke, SD Perry, MG Abel, **JL Clasey**. Physical activity and nutrition assessment of home schooled versus public schooled children and their parents. *Pediatric Exerc Sci* 22:44-59, 2010.
- King, JT, J Hall, JR Griffith, DR Mullineaux, **JL Clasey**. Comparison of Body Composition from the Bod Pod S/T with the Bod Pod, Hydrostatic Weighing, and Dual-Energy X-ray Absorptiometry in Young Adults. *Int J Body Comp Res* 7(2): 41-48, 2009.
- Lomenick, JP, JR White, EJ Smart, **JL Clasey**, JW Anderson. Glucagon-like peptide 1 and pancreatic polypeptide responses to feeding in normal weight and overweight children. *Journal of Pediatric Endocrinology and Metabolism* 22:493-500, 2009.
- Nass, R, SS Pezzoli, MC Oliveri, JT Patrie, FE Harrell, **JL Clasey**, SB Heymsfield, MA Bach, ML Vance, MO Thorner. Effects of an oral mimetic on body composition and clinical outcomes in healthy older adults: A randomized trial. *Ann of Intern Med* 149:601-611, 2008.
- Lomenick, JP, **JL Clasey**, JW Anderson. Meal-related changes in ghrelin, peptide YY, and appetite in normal weight and overweight children. *Obesity*, 16:547-552, 2007.
- Griffith, JR, **JL Clasey**, JT King, S Gantz, RJ Kryscio, HS Bada. Role of parents in determining children's physical activity. *World J of Pediatr*, 3(4):265-270, 2007.
- Clasey, JL**, DR Gater. Body Composition Assessment in Spinal Cord–Injured Adults. *Top Spinal Cord Inj Rehabi*, 12(4):8-19, 2007.
- Gater, DR, **JL Clasey**. Body composition assessment in spinal cord injury clinical trials. *Top Spinal Cord Inj Rehabi*, 11(3):36-49, 2006.
- Clasey, JL**, DR Gater. Hydrostatic weighing and air displacement plethysmography in the spinal cord injured. *Arch of Phys Med and Rehabil*, 86:2106-2113, 2005.
- Clasey, JL**, AL Janowiak, DR Gater. Relationship between regional bone density measurements and the time since injury in adults with spinal cord injuries. *Arch of Phys Med and Rehabil*. 85:59-64, 2004.
- Henry, SL, A Courtney, J Tietyen, T Jenkin, B Siddens, L Sowders, **JL Clasey**. Prevalence of childhood obesity in Kentucky 2003. *J Ky Med Assoc*, 102(2):48-52, 2004.
- Symons, TB, **JL Clasey**, DR Gater, D Pascoe, JW Yates. Effects of deep heat as a preventative mechanism of delayed onset muscle soreness. *J Strength Cond Res*, 18(1):155-161, 2004.
- Bellew, JW, JW Yates, DR Gater, **JL Clasey**. Explosive force production in older adults following a traditional strength training program. *Journal of Geriatric Physical Therapy*, 26(3):9-13, 2003.

- Weltman, A, JP Despres, **JL Clasey**, JY Weltman, L Wideman, J Kanaley, J Patire, J Bergeron, MO Thorner, C Bouchard, ML Hartman. Impact of abdominal visceral fat (AVF), growth hormone (GH), fitness, and insulin on lipids and lipoproteins in older adults. *Metabolism* 52(1):73-80, 2003.
- Clasey, JL**, A Weltman, J Patrie, JY Weltman, S Pezzoli, C Bouchard, MO Thorner, ML Hartman. Abdominal visceral fat and fasting insulin are important predictors of 24-hour growth hormone release independent of age, gender and other physiological factors. *J Clin Endocrinol Metab* 86(8):3845-3852, 2001.
- Hartman, ML **JL Clasey**, A Weltman, MO Thorner. Predictors of growth hormone secretion in aging. *J Anti-Aging Med* 3(3):303-314, 2000.
- Clasey, JL**, C Bouchard, CD Teates, JE Riblett, MO Thorner, ML Hartman, A Weltman. The use of anthropometric and dual-energy x-ray absorptiometry (DXA) measures to estimate total abdominal and abdominal visceral fat in men and women. *Obes Res* 7(3):256-264, 1999.
- Clasey, JL**, JA Kanaley, L Wideman, SB Heymsfield, CD Teates, ME Gutgesell, MO Thorner, ML Hartman, A Weltman. Validity of body composition assessment in younger and older males and females. *J Appl Physiol* 86(5):1728-1738, 1999.
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Clasey JL, DL Alekel, P Fehling, K Farrel-Lee, RA Boileau, MH Slaughter, RJ Stillman. The relationship between physical activity assessment and femoral bone mineral density in postmenopausal women. *J Bone Mineral Res* 9:s60, 1994.

Alekel, L, **JL Clasey**, P Fehling, R Weigel, R Stillman. Total Body Bone-Mineral Density and Content in Premenopausal Exercisers and Non-Exercisers. *J Bone Mineral Res* 9:s104, 1994.

Stillman R, **JL Clasey**, D Alekel, P Fehling, R Whalen M Slaughter, K Farrel-Lee, R Boileau. Body composition and bone mineral density of the spine and femur in females 10-82 years. *Med Sci Sports Exerc*, 1994.

Boileau, R, M Slaughter, R Stillman, C Christ, **JL Clasey**, G Dykstra, K Farrel-Lee, D Giddens, S Sunvold, R Whalen. Precision of fat and fat-free body composition estimates: comparison of four methods. *FASEB*

Journal, 1994.

Clasey, JL, L Alekel, P Fehling, RJ Stillman. Physical activity, estrogen replacement therapy and bone mineral density in early postmenopausal women. *J Bone Mineral Res* 8: s256, 1993.

Alekel, L, **J Clasey**, P Fehling, RJ Stillman. Contributions to exercise, body composition and size, and age to spine and femur bone mineral density in premenopausal aerobic dancers and walkers. *J Bone Mineral Res* 8: s332, 1993.

Stillman, RJ, **JL Clasey**, DL Alekel, P Fehling, MH Slaughter, RA Boileau. Weight, fat mass, lean body mass, and bone density in adult women. *J Bone Mineral Res* 8: s326, 1993.

Fehling, PC, A Rector, **JL Clasey**, RA Boileau, JE Misner, MH Slaughter, RJ Stillman. A comparison of regional densities among collegiate athletes. *J Bone Mineral Res* 8: s325, 1993.

Alekel, L, **J Clasey**, P Fehling, R Stillman. Quantifying lifetime physical activity in females. *Med Sci Sports Exerc* 25: s10, 1993.

Fehling, P, A Rector, L Alekel, **JL Clasey**, RA Boileau, JE Misner, MH Slaughter, RJ Stillman. A comparison of bone mineral densities at axial and appendicular sites among collegiate athletes. *Med Sci Sports Exercise* 25: s199, 1993.

Clasey, JL, RJ Stillman, MH Slaughter, PC Fehling, BT Patrick, RA Boileua. The use of dual-energy radiography (DER) to estimate body composition. *Med Sci Sports Exerc* 24: s58, 1992.

Clasey, JL, P Fehling, L Alekel, R Boileau, M Slaughter, R Stillman. Reproducibility of total and regional body composition measurements by dual-energy radiography. *J Bone Mineral Res* 7: s188, 1992.

Alekel, L, P Fehling, **J Clasey**, R Boileau, M Slaughter, R Stillman. Reliability of spine and hip bone mineral analysis by dual-energy radiography. *J Bone Mineral Res* 7: s188, 1992.

Fehling, P, R Stillman, **J Clasey**, L Alekel, M Slaughter, J Misner, R Boileau. A comparison of the bone mineral density of the spine, hip and radius in females 12-22 years with high and low levels of physical activity. *J Bone Mineral Res* 7: s321, 1992.

Fehling, PC, RJ Stillman, RA Boileau, MH Slaughter, **JL Clasey**, L Alekel, A Rector. Total body bone mineral content and density in males and females aged 10-80 years. *Med Sci Sports Exerc* 24: s11, 1992.

Boileau, RA, MH Slaughter, RJ Stillman, CB Christ, **J Clasey**, P Fehling, T Patrick, S Weisel, R Whalen. Fat and fat-free body composition estimates by two-three-and four-compartment models in 20-70 year old adults. *Med Sci Sports Exerc* 24: s109, 1992.

Boileau, RA, MH Slaughter, RJ Stillman, CB Christ, **J Clasey**, P Fehling, T Patrick, S Weisel, R Whalen. Age-related variability in the fat-free body water and mineral content of 20-70 year old adults. *FASEB Journal* 6: A1673, 1992.

Boileau, RA, MH Slaughter, RJ Stillman, TE Boyer, CB Christ, **J Clasey**, P Fehling, C Lauschke, M Parchert, T Patrick, S Weisel. Variability in fat-free body composition of older adults. *FASEB Journal* 5: a1734, 1992.

Boileau, RA MH Slaughter, RJ Stillman, **J Clasey**, P Fehling, C Lauschke, M Parchert, T Patrick, S Weisel. Estimates of fat-free body (FFB) and total body water (TBW) from total body electrical conductivity (TOBEC). *Med Sci Sports Exerc* 23: s71, 1991.

Boileau, RA, MH Slaughter, RJ Stillman, **J Clasey**, P Fehling, C Lauschke, M Parchert, T Patrick, S Weisel. Body water (TBW) estimates in children and older adults from electrical conductivity analysis (TOBEC). *FASEB Journal* 4: A936, 1990.

Published Abstracts

Regional

Naylor, TR, MV Jacobs, LR Good, EA Easley, **JL Clasey**. Validity of A Pediatric-Specific BIA Equation to Predict Fat-Free Mass in Children Ages 2-4 Years. Southeast American College of Sports Medicine, Greenville, SC, 2024.

Jacobs, MV, K Cochran, J Pol, J, TR Naylor, **JL Clasey**, MA Samaan. Effects of Constant Load Exercise on Knee Mechanics in At-Risk Weight Individuals. Presented: American Society of Biomechanics – Southeast Regional Meeting, Knoxville, TN, 2023

Jacobs, M, T Naylor, J Pol, M Samaan, **JL Clasey**. Healthy and obese classifications: Influence on Constant load treadmill bouts results. Southeast American College of Sports Medicine, Greenville, SC, 2023.

Gustave, D. PJ Succi, B Benitez, M. Kwak, **JL Clasey**, KR Lanphere, HC Bergstrom. A preliminary analyses of responses to exercise anchored to vigorous intensity heart rates. Southeast American College of Sports Medicine, Greenville, SC, 2023,

Elder, CJ, TK Dinyer, MT Byrd, HC Bergstrom, **JL Clasey**. Reliability of Quadriceps and Hamstring Soft Tissue Measures Using Dual Energy X-ray Absorptiometry (DXA) Scans. Southeast American College of Sports Medicine, Greenville, SC (held virtually), 2021.

Vogelaar, TL, LA Bradley, KR Lanphere, M Vranicar, **JL Clasey**. Peak Responses to Graded Exercise in Young Children. Southeast American College of Sports Medicine, Jacksonville, FL, 2020.

Thomas, JM, JS Pendergast, WS Black, PA Kern, **JL Clasey**. Circadian Clock Timing Is Associated With Self-Reported Chronotype in Young, Sedentary Adults. Southeast American College of Sports Medicine, Greenville, SC, 2019

Succi, PJ, TK Dinyer, CC Voskuil, B Benitez, M Kwak, MG Abel, **JL Clasey**, HC Bergstrom. Physiological, perceptual, and neuromuscular responses to VO₂-clamp cycle ergometry exercise. Southeast American College of Sports Medicine, Greenville, SC, 2019

Clasey, JL, JA Day, DS Allen. Fat-free mass and fat mass indexes provides valuable information to identify at-

risk Appalachian Children. Appalachian Translational Research Network Summit, 2018

Schulte, ML, **JL Clasey**, BS Fleenor, HC. Bergstrom. Examination of resistance settings based on body weight for the 3-minute all-out critical power test. Southeast American College of Sports Medicine Annual Meeting, Greenville, SC, 2017

Taylor, MC Jr, SE Vinci, JM Thomas, CM Blaze, RK. LaCoe, **JL Clasey**. Comparison of cardiorespiratory fitness testing measures in young children. Southeast American College of Sports Medicine Annual Meeting, Greenville, SC, 2017

Vinci, SE, MC Taylor Jr, JM Thomas, CM Blaze, RK LaCoe, **JL Clasey**. Comparison of recovery measures following cardiorespiratory fitness testing measures in young children. Southeast American College of Sports Medicine Annual Meeting, Greenville, SC, 2017

Easley EA, WS Black, AL Bailey, T Lennie, **Clasey JL**. Heart rate recovery following a maximal graded exercise test in normal-weight and obese women. Carolinian Women's Health Research Forum, Columbia, SC, 2016 **First place winning abstract*

Easley, EA, **JL Clasey**. Heart rate recovery in healthy-weight and obese children following a maximal graded exercise test. Southeast Chapter of the American College of Sports Medicine Meeting, Greenville, SC, 2014

Day, JA, A Beighle, R Riggs, J Hall, **JL Clasey**. Body composition and physical activity levels of young Appalachian children. Appalachian Health Summit: Focus on Obesity, Lexington, KY, 2011.

Clasey, JL, A Weltman, C Bouchard, CD Teates, MO Thorner, ML Hartman. Reliability of trunk and abdominal fat measurements by dual-energy x-ray absorptiometry. Southeast Regional Chapter of American College of Sports Medicine, a19, 1998.

Pritzlaff, C, L Wideman, D Perrin, **J Clasey**, M Hartman, A Weltman. The relationship among strength, balance and function in older adults. Southeast Regional Chapter of American College of Sports Medicine, a101, 1998.

Clasey, JL, A Weltman. Growth hormone, body composition, and exercise. Southeast Regional Chapter of American College of Sports Medicine, (symposium) 1998.

Published Abstracts

State

Clasey, JL, JA Day, DS Allen. Fat-Free Mass and Fat Mass Indexes Provides Valuable Information to Identify At-Risk Appalachian Children. 8th Annual Appalachian Translational Research Network (ATRN) Summit. Lexington, KY, 2018.

Schuer, K, BA Garvy, F Romanelli, K Adams, A Thornton, **JL Clasey**. HIV-associated metabolic disorders and exercise intervention. Kentucky Public Health Conference, Louisville, KY, 2005.

Clasey, JL, AL Janowiak, CE Winsor, J Riess, J Abbas, DR Gater. Bone density measures in spinal cord injured (SCI) adults. Clinical Advances in Neurorehabilitation Science. Kentucky Spinal Cord and Head Injury Research Center Symposium, Lexington, KY, 2001.

Gater, DR, JW Yates, **JL Clasey**. Body composition and glucose intolerance in spinal cord injury. Clinical Advances in Neurorehabilitation Science. Kentucky Spinal Cord and Head Injury Research Center Symposium, Lexington, KY, 2001.

Clasey, JL. Compartment modeling techniques for body composition assessment. Kentucky Association – Health, Physical Education, Recreation, and Dance, Louisville, KY 2000.

Clasey, JL, J Finnley. Body Composition Assessment: Field to Laboratory. Kentucky Association – Health, Physical Education, Recreation, and Dance, Lexington, KY 1999.

Cullum, MG, S Whatley, M Florence, **JL Clasey**. Validation of a new bioelectrical impedance machine (The Body-Comp Scale) via hydrostatic weighing in collegiate athletes. Kentucky Association – Health, Physical Education, Recreation, and Dance, Bowling Green, KY, 1998.

Clasey, JL, JW Yates, LB Ransdell. A current look at eating disorders, osteoporosis and secondary amenorrhea: The female Triad. Kentucky Association – Health, Physical Education, Recreation, and Dance, Bowling Green, KY, 1998.

Published Abstracts

Local/University

Sharp, AG, MV Jacobs, C McLouth, B Noehren, **JL Clasey**, MB Sheppard, MA Samaan. Evaluation of the knee joint moment during walking in individuals with Marfan Syndrome. University of Kentucky Center for Clinical and Translational Science Research Conference, 2024

Jacobs, MV, JM Pohl, **JL Clasey**, CJ McLouth, MB Shepard, MA Samaan. People with Marfan Syndrome ambulate with altered joint mechanics associated with hip pain. University of Kentucky Center for Clinical and Translational Science Research Conference, 2024

Elder, CJ, **JL Clasey**. Treatment and Tracking Strategies for Pediatric Acute Lymphoblastic Leukemia (ALL) Patients. University of Kentucky Lewis Honors College Conference presentation, 2020.

Thomas, JM, JS Pendergast, WS Black, PA Kern, **JL Clasey**. Fat mass, and not heart rate recovery is associated with cardiorespiratory fitness in young, sedentary adults. University of Kentucky Cardiovascular Research Day Conference, Fall 2018

Clasey, JL, JM Thomas, WS Black, PA Kern, JS Pendergast. Investigating the effects of timed exercise on metabolism. University of Kentucky Barnstable Brown Obesity and Diabetes Research Day Conference, 2018.

JM Thomas, JS Pendergast, WS Black, PA Kern, **JL Clasey**. Investigating the effects of timed exercise on

metabolism. University of Kentucky Center for Clinical and Translational Science Spring Conference, 2018

Shearer, A, **JL Clasey**, M Dignan, B Shelton. Self-Reported Adherence to Physical Activity Guidelines for Cancer Survivors: An Update from the 2015 National Health Information Survey. University of Kentucky Markey Cancer Center Research Conference, 2017.

Schuer, K, BA Garvy, F Romanelli, K Adams, A Thornton, **JL Clasey**. HIV and exercise intervention in the Blue Grass Care Clinic, Lexington, KY. University of Kentucky College of Public Health Annual Research Symposium, Lexington, KY, 2003.

McCrorry, JL, AL Harrison, **JL Clasey**. A comparison between gait kinetics in women with primary osteoarthritis and women with osteoporosis. Proceedings of Science 2002, University of Pittsburgh Research Symposium, Pittsburgh, PA, 2002.

Janowiak, AL, DR Gater, **JL Clasey**. Bone mineral density measures in college female athletes participating in weightbearing vs. non-weightbearing sports. 13th Annual Research Day, University of Kentucky, Department of Physical Medicine and Rehabilitation, 2001.

Salles, SS, **JL Clasey**, DR Gater. Basal metabolic rate, body composition and functional measures adults with multiple sclerosis. 13th Annual Research Day, University of Kentucky, Department of Physical Medicine and Rehabilitation, 2001.

Richardson, GA, **JL Clasey**, JW Yates, DR Gater. The effect of aerobic exercise on endurance and community mobility in spinal cord injured adults. 13th Annual Research Day, University of Kentucky, Department of Physical Medicine and Rehabilitation, 2001.

Gopalraj, RK, M Erway, TM White, A Janowiak, C Winsor, **JL Clasey**, DR Gater. Reliability of the COSMED K4b2 in Exercise Testing. 13th Annual Research Day, University of Kentucky, Department of Physical Medicine and Rehabilitation , 2001.

Clasey, JL, AL Janowiak, CE Winsor, J Riess, J Abbas, DR Gater. Bone density measures in spinal cord injured (SCI) adults. 13th Annual Research Day, University of Kentucky, Department of Physical Medicine and Rehabilitation, 2001.

Clasey, JL, BR Rogers, JW Yates, DR Gater. Error in assessing spinal cord injured individuals using tradition body composition methodologies. 11th Annual Research Day, University of Kentucky, Department of Physical Medicine and Rehabilitation , 1999.

Gater, DR, JW Yates, **JL Clasey**. Glucose tolerance and body composition in spinal cord injury. 11th Annual Research Day, University of Kentucky, Department of Physical Medicine and Rehabilitation , 1999.

Richardson, G, **JL Clasey**, DR Gater. Aerobic exercise intervention and spinal cord injury: the effect of graded exercise on functional ADL's and community mobility. 11th Annual Research Day, University of Kentucky, Department of Physical Medicine and Rehabilitation , 1999.

Salles, SS, **JL Clasey**, DR Gater. Correlation of body composition, basal metabolic rate, glucose tolerance to FIM scores and the Kurtzke EDSS in patients with multiple sclerosis. 11th Annual Research Day, University of Kentucky, Department of Physical Medicine and Rehabilitation , 1999.

ORAL PRESENTATIONS (JL Clasey presenting author)

National/International Presentations

Clasey, JL, B Blakley. The Kentucky Health Education Rural Outreach Grant: Lessons Learned and Collaborations established. Association of Science-Technology Centers Conference. Pittsburg, PA, 2008

Clasey, JL, B Blakley. The Kentucky Health Education Rural Outreach Grant: The Collaboration between Scientists and Science Museums. Association of Science-Technology Centers Conference. Louisville, KY, 2006

Clasey, JL, DR Gater. Body composition assessment in SCI adults. 2006 SCI Conference (American Paraplegia Society, American Association of Spinal Cord Injury Psychologists and Social Workers, and American Association of Spinal Cord Injury Nurses), Las Vegas, NV, 2006

Clasey, JL, AL Janowiak, DR Gater. Body density determination by hydrostatic weighing and air displacement plethysmography in spinal cord injured adults. 6th International Symposium "In Vivo Body Composition Studies." Rome, Italy, 2002.

Clasey, JL, AL Janowiak, DR Gater. Evaluation of air displacement plethysmography for assessing body density and body composition in female athletes. 49th National Meeting of the American College of Sports Medicine, St. Louis, MO, 2002.

Clasey, JL, AL Janowiak, CE Winsor, CB Mize, DR Gater. Bone density measures in spinal cord injured (SCI) adults. 48th National Meeting of the American College of Sports Medicine, Baltimore , MD, 2001.

Clasey, JL. Bioelectrical impedance analyzers (BIA): Are you getting your monies worth? American Alliance of Health, Physical Education, Recreation and Dance. Orlando, FL. 2000

Clasey, JL, et al. Symposium: Methods of teaching undergraduate exercise physiology classes. American Alliance of Health, Physical Education, Recreation and Dance. Orlando, FL. 2000

Clasey, JL, A Weltman, J Patrie, JY Weltman, SS Pezzoli, CD Teates, C Bouchard, MO Thorner, ML Hartman. Abdominal visceral fat (AVF), fasting insulin and IGF-I are important predictors of 24-h GH release independent of age, gender and other physiological factors. 81st Annual Meeting of The Endocrine Society, San Diego, CA, 1999.

Clasey, JL, A Weltman, JY Weltman, IM Chapman, SS Pezzoli, CD Teates, C Bouchard, MO Thorner, ML Hartman. Abdominal visceral fat (AVF) is related to 24-h growth hormone (GH) release in both young and older men and women. 79th Annual Meeting of The Endocrine Society, Minneapolis, MN, 1997.

Clasey, JL, C Bouchard, CD Teates, MO Thorner, JE Riblett, ML Hartmen, A Weltman. Estimation of

abdominal visceral fat (AVF) in men and women. 44th National Meeting of the American College of Sports Medicine, Denver, CO, 1997.

Clasey, JL, A Weltman, JA Kanaley, L Wideman, ME Gutgesell, CD Teates, MO Thorner, C Bouchard, ML Hartman. 24-h growth hormone (GH) release is more strongly related to visceral adipose tissue than percentage body fat in older men and women. 10th International Congress of Endocrinology, San Francisco, CA, 1996.

Clasey, JL, JA Kanaley, ML Hartman, CD Teates, C Bouchard, A Weltman. Scan mode influences bone and body composition measures by dual energy x-ray absorptiometry. 42th National Meeting of the American College of Sports Medicine, Indianapolis, IN, 1995.

Regional Presentations

Clasey, JL. Lessons learned and preliminary findings from the Clay County Clock Project. Appalachian Research Day: Come Sit on My Front Porch. Hazard, KY 2018.

Clasey, JL. Translational approach to body composition assessment: Research, clinic, field. CTSI Seminar Series. Marquette University, Milwaukee, WI, 2012.

Clasey, JL. The metabolic syndrome: it's now a "G-rated" concern. The Kentucky Coalition of Nurse Practitioners/Nurse Midwives 21st Regional Conference Toward Excellence in Advanced Practice Nursing, 2009.

Clasey, JL. Addressing the problem of childhood obesity: prevention and intervention strategies. Sankofa Series Lecture. Longwood College, Farmville, VA, 2007.

Clasey, JL. The metabolic syndrome: it's now a "G-Rated" concern. Student Symposium Invited Speaker, Southeast Regional Chapter of American College of Sports Medicine, Charlotte, NC, 2007.

Clasey, JL, J Brandon, S Owens, M Loftin. Childhood obesity issues symposium: resistance exercise, cardiorespiratory fitness and intervention via interactive media. Southeast Regional Chapter of American College of Sports Medicine, Charlotte, NC, 2007.

Clasey, JL. Anthropometric measurement techniques for pharmaceutical clinic trials. Eli Lilly Pharmaceutical Corporation Invited Speaker. Indianapolis, IN, 2006

Clasey, JL. Reflections on the role of exercise in childhood obesity. Perspectives in Exercise Topics Lecture Series. Marquette University, Milwaukee, WI, 2006

Clasey, JL. Body composition assessment in spinal cord injured adults. Model Spinal Cord Injury System Seminar Series. University of Michigan, Ann Arbor, MI, 2006.

Clasey, JL. A radiology seminar: The many facets of radiology. Floyd Memorial, Interstate Imaging and Spencerian College. New Albany, IN, 2005.

Clasey, JL. Research efforts concerning childhood obesity. Exercise Science Seminar Series, University of Illinois, Champaign, IL, 2005.

Clasey, JL. Body composition assessment using multi-compartment modeling techniques. Graduate Seminar Series, University of Tennessee, Knoxville, TN, 2001.

Clasey, JL, A Weltman. Growth Hormone, Body Composition, and Exercise. Southeast Regional Chapter of American College of Sports Medicine, Sand Destin, FL, 1998.

Clasey, JL, BH Massey. The relationship between finger flexion force production and selected hand, forearm and body physique measurements. Midwest AAHPERD Conference, 1987.

State Presentations

Clasey, JL. Exploring Exercise Science: Reverse Science Fair. Kentucky Science Center Youth Science Summit. Kentucky Science Center and GE, Louisville, KY, 2014

Clasey, JL. Physical Activity in Preschool Aged Children. Baby Talk Series: Louisville Science Center, Louisville, KY, 2011.

Clasey, JL. Childhood Obesity: where are we and where are we going? Expert Panel: Louisville Science Center, Louisville, KY, 2011.

Clasey, JL. Childhood Obesity: the North, South, East and West Problem. Zusan Lecture; University of the Cumberlands; Williamsburg, KY, 2010

Clasey, JL. DXA: Bone and beyond. Women's Imaging Breast Cancer and Beyond Symposium. Louisville, KY, 2009

Clasey, JL. Physical activity and young children. Infant-Toddler Institute, Lexington, KY 2009

Clasey, JL. Research strategies addressing the problem of childhood obesity. Cooperative Extension and Family and Consumer Science State Conference, Lexington, KY, 2007

Clasey, JL. Exercise Physiologist. What do they do and how do they do it? Scientist in Residence Program, Louisville Science Center, Louisville, KY 2006

Clasey, JL. Research efforts concerning childhood obesity at the University of Kentucky and Across the Blue Grass. Health Education through Extension Leadership (HEEL) conference series. Clark County, KY; Hardin County, KY; Princeton, KY, 2005.

Clasey, JL. Getting Kids off the Couch – Bring in the Activity. 3rd Annual Growing Healthy Kids in Kentucky Conference. Lexington, KY, 2004

Clasey, JL. Exercise Prescription: What you need to know. Kentucky Dietetic Association, Lexington, KY,

2003.

Clasey, JL. Bone Densitometry: Bone density measures in spinal cord injured (SCI) adults. Blue Grass Society of Radiologic Technologists, Lexington, KY, 2002.

Clasey, JL. Bone Densitometry: The effect of cane use on bone mineral density. Blue Grass Society of Radiologic Technologists, Lexington, KY, 2002.

Clasey, JL. Bone Densitometry: A brief history. Blue Grass Society of Radiologic Technologists, Lexington, KY, 2001.

Clasey, JL. Bone Densitometry: Dual energy x-ray absorptiometry (DXA) acquisition. Blue Grass Society of Radiologic Technologists, Lexington, KY, 2001.

Clasey, JL. Bone and Skeletal Health. 8th Annual Conference of the UK Wellness Program. Lexington, KY, 2001.

Clasey, JL. Body composition and exercise prescription for dietetic professionals. Blue Grass District of the Kentucky Dietetics Association, Lexington, KY, 2001.

Clasey, JL. Compartment modeling techniques for body composition assessment. Kentucky Association – Health, Physical Education, Recreation, and Dance, Louisville, KY 2001.

Clasey, JL, J Finnley. Body Composition Assessment: Field to Laboratory. Kentucky Association – Health, Physical Education, Recreation, and Dance, Lexington, KY 1999.

Clasey, JL, JW Yates, LB Ransdell. A current look at eating disorders, osteoporosis and secondary amenorrhea: The female Triad. Kentucky Association – Health, Physical Education, Recreation, and Dance, Bowling Green, KY, 1998.

Clasey, JL, JW Yates. The role of exercise in weight management. Multidisciplinary Approach to Weight Reduction Symposium, Wilkinson-Stumbo Convention Center, Prestonburg, KY, 1998.

Clasey, JL. Skeletal Health: Assessment, Status, and Treatment. Boar's Head Inn Country Resort Sports Club Workshop, Charlottesville, VA, 1997.

Clasey, JL. Body Composition and Regional Fat Distribution: Methodology and Health Implications. Atlantic Coast Athletic Club, Charlottesville, VA, 1996.

Clasey, JL. Skeletal Health: The Good, the Bad and the Tragic. The Second Wind Running Club, Urbana, IL, 1992.

Local/University Presentations

Clasey, JL and NL Johnson. Physical Activity and Brain Health. Fayette County Boy Scouts, 2014.

- Clasey, JL.** Body composition Measures: From the Laboratory to the Clinic and Beyond. University of Kentucky Center for Clinical and Translational Science Seminar Series, 2013
- Clasey, JL.** Body Composition A to Z. University of Kentucky Internal Medicine Resident Seminar Series, 2011
- Clasey, JL.** Childhood obesity: In addition to the numbers. The University of Kentucky Deans' Interprofessional Honors Colloquium, 2009.
- Clasey, JL.** The metabolic syndrome: it's now a "G-rated" concern. The University of Kentucky College of Public Health Grand Rounds, 2009.
- Clasey, JL, N Johnson.** *The Role of Physical Activity in Childhood Type II Diabetes and Brain Function.* 2008 Clinical and Translational Science Fall Conference, Lexington, KY, 2008
- Clasey, JL, K Schuer.** Exercise and HIV. Blue Grass Care Clinic Support Group. Lexington, KY, 2007
- Clasey, JL.** The GCRC Functional Assessment and Body Composition Core: Research, Requests, and Resources. University of Kentucky clinical Research Organization and University of Kentucky General Clinical Research Center Seminar Series, Lexington, KY, 2007
- Clasey, JL.** Research Efforts Concerning Childhood Obesity. Medical Grand Rounds, Shriners Hospital for Children, Lexington, KY, 2006.
- Clasey, JL.** Exercise Physiology and Related Health Disciplines. Girls in Science Summer Program, University of Kentucky, Lexington, KY, 2006.
- Clasey, JL.** Body composition and exercise prescription for dietetic professionals. Blue Grass Pediatric Dietetics Association, Lexington, KY, 2005.
- Clasey, JL.** Insulin sensitivity and body composition in Caucasian and African American female adolescents. Combined BIRCWH and K30 Fall Retreat. College of Medicine, University of Kentucky, Lexington, KY, 2002.
- Clasey, JL,** Body composition assessment for the nutritional sciences. Community Based Faculty (CBF) Training Session and Advisory Board Meeting. College of Human Environmental Sciences, University of Kentucky, Lexington, KY, 2002.
- Clasey, JL.** Body composition assessment: theory and methodology. Graduate Seminar in Nutritional Sciences, University of Kentucky, Lexington, KY, 2002.
- Clasey, JL.** Body Composition Methodologies: Archimedes and Beyond. Center for Biomedical Engineering, Wenner-Gren Research Laboratory, Biomedical Engineering Seminar Series, University of Kentucky, Lexington, KY, 1999.
- Clasey, JL.** Total body and regional body composition and the relationship to growth hormone secretion.

Division of Endocrinology Seminar Series, Department of Internal Medicine, University of Virginia, Charlottesville, VA, 1997.

Clasey, JL. Physical activity, estrogen replacement therapy and bone mineral density in early postmenopausal women. Division of Endocrinology Seminar Series, Department of Internal Medicine Seminar Series, University of Virginia, Charlottesville, VA, 1995.

INVITED COURSE LECTURES

- 2005 **Clasey, JL.** Body composition theory and methodology (2-one hour lectures and 1-three hour lab) Department of Kinesiology and Health Sciences, Georgetown College, Georgetown, KY.
- 2005 **Clasey, JL.** Childhood Obesity: What are we doing, what are you doing, what can we do together? Department of Physical Education, Health, and Athletics, Berea College, Berea, KY.
- 2004 **Clasey, JL.** Research efforts in childhood obesity. Department of Physical Education, Health, and Athletics, Berea College, Berea, KY.
- 2004-2007 **Clasey, JL.** The use and practice of dual energy x-ray absorptiometry (DXA) for bone and body composition testing. Lexington Community College X-ray Technologists Program, Lexington, KY.
- 2001 **Clasey, JL.** Body composition assessment for wellness and sport nutrition. Department of Nutritional Sciences; Wellness and Sports Nutrition (CNU 605), University of Kentucky, Lexington, KY.
- 1999-2002 **Clasey, JL.** Body composition theory, methods, and practice. Department of Kinesiology and Health Promotion; Health Assessments (KHP 675), University of Kentucky, Lexington, KY.
- 1999-2002 **Clasey, JL.** Graded exercise testing to assess aerobic fitness. Department of Kinesiology and Health Promotion; Health Assessments (KHP 240), University of Kentucky, Lexington, KY.
- 1999-2002 **Clasey, JL.** Body composition laboratory and field assessment methods. Department of Nutritional Sciences; Human Nutrition Assessment (CNS 640), University of Kentucky, Lexington, KY.
- 1999-2002 **Clasey, JL.** Body composition assessment: Reliability, validity and sensitivity. Department of Kinesiology and Health Promotion; Nutrition and Physical Fitness (KHP 240), University of Kentucky, Lexington, KY.
- 1997 **Clasey, JL.** The current status of body composition evaluation. Department of Physical Education and Dance, Skidmore College, Saratoga Springs, NY.

- 1992 **Clasey, JL.** Research design in the physical sciences. Department of Social Sciences and Human Development; Psychology of Women (Psyc 104) Parkland College, Champaign, IL.
- 1991-1993 **Clasey, JL.** Theory and methodology of densitometry. Department of Kinesiology; Analysis of Physical Fitness Programs (Kines 251) University of Illinois, Urbana, IL.
- 1990-1993 **Clasey, JL.** Endocrine aspects of growth and development. Department of Kinesiology; Human Growth and Development (Kines 354), University of Illinois, Urbana, IL

REVIEWER

- 2019-2021 University of Kentucky COBRE Pilot Grant reviewer
- 2018-2022 University of Kentucky Center for Clinical and Translational Sciences (CCTS) Pilot Grants
- 2012-2019 Associate Editor; Research Quarterly for Exercise and Sport
- 2011, 2020 University of Kentucky *Got Grants* Pilot Funding Program
- 2007 NIH Study Section; Health of the Population (HOP) Integrated Review Group (IRG), Cardiovascular and Sleep Epidemiology (CASE) Study Section
- 2006 NIH Study Section; Health of the Population (HOP) Integrated Review Group (IRG), Cardiovascular and Sleep Epidemiology (CASE) Study Section
- 2006-2012 International Journal of Pediatric Obesity
- 2006-present Obesity Research/Obesity
- 2006-present Metabolism
- 2006-present Obesity
- 2005-present Pediatrics
- 2005-present International Journal of Obesity
- 2005-present Journal of Applied Physiology
- 2002-present International Journal of Sport Nutrition and Exercise Metabolism
- 2001-2003 Journal of the International Society of Nephrology
- 2000-present The American Journal of Clinical Nutrition
- 2000-2007 University of Kentucky General Clinical Research Center Protocol Reviewer
- 2000-2005 Women in Sport and Physical Activity
- 2005 Abstract reviewer of National AAHPERD Convention, Physical Fitness Council
- 2005, 2007 Abstract reviewer Southeast American College of Sports Medicine (SEACSM) Conference
- 1999 Abstract reviewer for National AAHPERD Convention, Research Consortium, Fitness Section
- 1998-1999 Journal of Aging and Physical Activity
- 1996-present Medicine and Science in Sports and Exercise

MEMBERSHIPS

Fellow, The Obesity Society (FTOS)
Fellow, American College of Sports Medicine (FACSM)
Member, Southeast Chapter of American College of Sports Medicine
Member, North American Society for Pediatric Exercise Medicine
Associate Member, Kentucky Society of Radiologic Technologist
Member, American Alliance for Health, Physical Education, Recreation and Dance
Member, Kentucky Alliance for Health, Physical Education, Recreation and Dance
Member/Alumnus, University of Illinois Varsity I Association
Member/Alumnus, Kappa Kappa Gamma Beta Lambda Chapter

HONORS and AWARDS

2020	UK-CARES Faculty Fellow in Science Communication Program, (Fellow)
2024	
2019-2020	Teachers Who Make a Difference, College of Education, University of Kentucky,
2016-2017	Lexington, KY
2016	The Obesity Society: Fellow (FTOS)
2011	Ambassador of Science Literacy Award Recipient; Louisville Science Center, Louisville, KY
2006	Alumni Association Great Teacher Award, University of Kentucky
2002	Exceptional Achievement Award for Research, College of Education, University of Kentucky
2002-2003	Circles of Power Leadership Development Program, College of Medicine, University of Kentucky
2002	Distinguished Service Award, The Physical Fitness Council of The American Association for Active Lifestyles and Fitness, American Alliance of Health Physical Education, Recreation and Dance
2001	American College of Sports Medicine: Fellow (FACSM)
1996	Glenn Foundation Medical Research Award, Geriatric Endocrinology, 10 th International Congress of Endocrinology, San Francisco, CA
1986-1990	University of Illinois Teacher Ranked as Excellent by Students, University of Illinois, Urbana, IL
1983	Floyd Bullock Academic and Athletic Honorary Award, University of Illinois, Urbana, IL

1982-1984	Dean's List for the College of Applied Life Sciences, University of Illinois, Urbana, IL
1982-1984	George Huff Academic and Athletic Honorary Award, University of Illinois, Urbana, IL
1979-1984	Athletic Association Varsity Volleyball Scholarship, University of Illinois, Urbana, IL
1979-1983	Athletic Association Varsity Letter Winner, University of Illinois, Urbana, IL

GRANT ACTIVITY

Grants and Awards: Approved and Funded

\$400,000 Executive Clinical Expert Leadership (EXCEL) Research Initiative; University of Kentucky. Mitigation of cardiovascular disease risks in children with extreme obesity (MODERN), 2024, **Co-Investigator**.

\$15,000 Southeast Center for Agricultural Health and Injury Prevention (SCAHIP). Multi-Factorial Assessment of Hip Joint Degeneration in Farmers, 2020, **Co-Investigator**

\$50,000 University of Kentucky NIH COBRE on Obesity and Cardiovascular Diseases and Markey Cancer Center: Pilot Funding. Body Composition as a Novel Method for Dosing 5FU in Obese Individuals with Cancer. 2019. **Co-Investigator**

\$4,110 Pilot study: University of Kentucky College of Health Sciences Pilot Award: Pituitary function and bone health after related concussion in females, 2018. **Co-Investigator**

\$50,000 NIH/Kentucky Center for Clinical and Translational Science (NCATS). Pilot study: Metabolic benefits of timed exercise. 2017, **Co-Principal Investigator**

University of Kentucky CTSA TL1 Program for Pre-doctoral Students in Clinical and Translational Science. Trainee: Justin Matt Thomas, 2016, **Co-Sponsor**

\$100,000 University of Kentucky CTSA ATRN Pilot Grant Program. Circadian Rhythm Parameters and Metabolic Syndrome Associated Factors in Young Children: The Clay County Clock Study, 2014, **Co-Principal Investigator**

\$3,149,143 2 RO1 AGO40632-02 Maintaining Well-being in the Face of Pain: The Roles of Activity and Motivation, 2013, **Co-Investigator**.

\$2,193,364 1 R01 PA11-260 (NIH Bridge Funding) Enhancing Internet Behavioral Weight Loss Programs with

Portion Controlled Foods, 2013, **Co-Investigator**.

\$50,000 Peter and Carmen Lucia Buck Clinical and Translational Research Award. Pilot trial investigating therapeutic outcome improvement, compliance with therapy, and changes in body composition using beet root juice supplement for enterally fed patients undergoing chemoradiotherapy for head and neck cancer, 2013. **Co-Principal Investigator**

\$408,375 NIH/NIA 1R21AGO40542-01A1 Muscle, Fat and NK Lymphocytes in Aging., 2012-2014, **Co-Investigator**.

\$60,000 Arthritis Foundation. Ultrasound measure of muscle structure in myositis, 2012 **Co-Investigator**.

\$50,000 Magnetic Resonance Imaging and Spectroscopy Center (MRISC) Pilot Grant Proposal; Sanders-Brown Center on Aging Pilot Grant Program; Is Aerobic Fitness Associated with White Matter Integrity and Cerebral Perfusion in Healthy Older Adults?, 2012, **Co-Investigator**

\$70,230 Orthopedic Research and Education Foundation; Using Dual Energy X-ray Absorptiometry (DXA) of the Spine to Measure Cobb Angles in Adolescent Idiopathic Scoliosis, 2008, **Co-Principal Investigator**

\$1,500,000 NIH P20; Center for Biobehavioral Research on Self-Management of Cardiopulmonary Disease, 2007 **Co-Investigator/Advisory Committee**

\$27,335 Kosair Children's Charities Validation of Two Different Methods to Assess Body Composition in Ambulatory Children with CP, 2007, **Co-Investigator/Principal Investigator for University of Kentucky**

\$27,250 Kosair Children's Charities Pulmonary Performance as Measured by Exercise Parameters in Adolescents with Idiopathic Scoliosis, 2007, **Co-Investigator//Principal Investigator for University of Kentucky**

\$8,000 University of Kentucky College of Education Institute for Educational Research; Body Composition Assessment In Young Black Women, 2006, **Principal Investigator**

\$32,745 Kosair Children's Charities A Comparison of Pulmonary Performance as Measured by Exercise Parameters in Patients with Scoliosis 2006, **Co-Investigator/Principal Investigator for University of Kentucky**

\$30,000 Children's Miracle Network. Development of Development of a Pediatric Specific Regression Equation for Body Composition Assessment Using Bioelectric Impedance Analysis, 2005, **Principal Investigator**

\$5,000 BodyStat Ltd. Development of Development of a Pediatric Specific Regression Equation for Body Composition Assessment Using Bioelectric Impedance Analysis, 2005, **Principal Investigator**

\$150,000 Kentucky Fund for Healthy Living. Pediatric Exercise Physiology Laboratory Endowment, 2005, **Principal Investigator**

\$3,373 NIH/University of Kentucky General Clinical Research Center. Meal-Related Changes in Gut Hormones in Lean and Obese Children, 2005, **Co-Investigator**

\$300,000 Kentucky Fund for Healthy Living. Pediatric Exercise Physiology Laboratory Endowment, 2004, **Principal Investigator**

\$20,000 University of Kentucky Got Grants Program. Blue Grass Care Exercise Intervention Study, 2004, **Principal Investigator**

\$10,000 University of Kentucky Got Grants Program. Ethnic Differences in the Relationships Among Sensitivity, Body Composition Measurements, and Aerobic Fitness in Obese and Non-Obese Female Adolescents, 2004, **Principal Investigator**

\$3,340,040 NIH NINDS Early Treatment of ALS with Nutrition and NIPPV, 2004, **Co-Investigator**

\$15,000 NIH NCRR Science Education Partnership Award (SEPA).Kentucky Health Education Rural Outreach Scientists (KY – H.E.R.O.S.) Louisville Science Center, 2004 **Co-Principal Investigator**

\$478,503 NIH Phase II SBIR Customized Electrical Stimulation for SCI Rehabilitation, 2002, **Principal Investigator**

\$292,395 NIH/GCRC 5M01RR02602-15 Director: Exercise Physiology Laboratory, General Clinical Research Center Competitive Renewal, (Total \$11,600,000), 2002, **Co-Investigator**

\$4,950 University of Kentucky Department of Behavioral Science and Department of Defense Grant in Breast Cancer Research, Biopsychosocial Factors in Weight Gain and Body Composition Changes in Breast Cancer Survivors, 2002, **Co-Investigator**

\$30,000 University of Kentucky Faculty Research Enhancement Grant, Office of the Vice President for Research, 2002, **Principal Investigator**

\$90,000 Building Interdisciplinary Research Careers in Women's Health (PI: Claire Pomeroy, MD and Tom Curry, PhD), (Total \$2,500,000), 2001-2003, **Scholar**

\$5,000 NIH K30 HL04163-03 Career Training in Therapeutics and Translational Research (PI: Claire Pomeroy, MD and Robert A. Blouin, PhD), (Total \$1,000,000), 2001-2002, **Scholar**

\$9,000 University of Kentucky Faculty Research Enhancement Grant, Office of the Vice President for Research, 2001-2003, **Principal Investigator**

\$605,615 Clinical Associate Physician Award, NIH NCRR K23 RR16182-01, Exercise on Glucose Tolerance and Body Composition in Spinal Cord Injury, 2001, **Co-Investigator**

\$16,964 NIH/University of Kentucky General Clinical Research Center, Relationship among Bone Mineral Density, Endocrine Function, and Body Composition Measures in College Female Athletes, 2000, **Principal Investigator**

\$1,193 NIH/University of Kentucky General Clinical Research Center, Body Composition in Obese and Nonobese Children, 2000, **Principal Investigator**

\$26,382 NIH/University of Kentucky General Clinical Research Center, Basal Metabolic Rate, Body Composition and Functional Measures of Adults with Multiple Sclerosis Versus Healthy Adults, 2000, **Principal Investigator**

\$1,000 University of Kentucky Faculty Research Enhancement Grant, Office of the Vice President for Research, 2000, **Principal Investigator**

\$2,500 University of Kentucky Undergraduate Research and Creativity Grant, 2000, **Faculty Supervisor**

\$196,863 NIH/University of Kentucky General Clinical Research Center, Exercise on Glucose Tolerance and Body Composition in Spinal Cord Injury, 1999, **Co-Investigator**

\$297,486 Kentucky Spinal Cord and Head Injury Foundation, Exercise on Glucose Tolerance and Body Composition in Spinal Cord Injury, 1999, **Co-Investigator**

\$474,000 VAMC Career Development Award, Effects of Dosed Exercise on Glucose Tolerance and Body Composition in Spinal Cord Injury, 1999, **Co-Investigator**

\$150,000 University of Kentucky Physician Scientist Award – Exercise on Glucose Tolerance and Body Composition in Spinal Cord Injury, 1999, **Co-Investigator**

\$42,224 NIH/University of Kentucky General Clinical Research Center, An Investigation of the Etiological Factors Associated with Osteoporosis and Primary Osteoarthritis, 1999, **Principal Investigator**

\$15,000 University of Kentucky Research Committee Grants, Etiological Factors Associated With Osteoporosis and Primary Osteoarthritis, 1999, **Principal Investigator**

\$1,058 University of Kentucky Travel Award, , Office of the Vice President for Research, 1999, **Principal Investigator**

\$4,250 University of Kentucky Research Committee Grants, Effects of Creatine Supplementation on Performance and Changes in Body Weight, 1999, **Principal Investigator**

\$13,152 NIH/University of Kentucky General Clinical Research Center, Basal Metabolic Rate, Peak Oxygen Consumption and Body Composition of Physically Active versus Sedentary Paraplegics, 1998, **Principal Investigator**

\$1,200 NIH/University of Kentucky General Clinical Research Center, Plasma versus Respiratory Water for the Measurement of Total Body Water, 1998, **Principal Investigator**

\$7,008 NIH/University of Kentucky General Clinical Research Center, Total body and Regional Body Composition of Jockeys and Riders, 1998, **Principal Investigator**

\$15,113 NIH/University of Kentucky General Clinical Research Center, Aerobic Exercise Intervention on CAD Risk Profiles in Spinal Cord Injured Adults, 1998, **Co-Investigator**

\$29,960 American Heart Association Kentucky Affiliate, Aerobic Exercise Intervention on CAD Risk Profiles in Spinal Cord Injured Adults, 1998, **Co-Investigator**

\$2,450 University of Kentucky Research MRI Center Pilot Project Grant Award, Magnetic Resonance Imaging of Abdominal, Arm, and Leg Tissue Masses in Spinal Cord Injured Adults, 2000, **Principal Investigator**

\$4,000 University of Kentucky Summer Faculty Research Fellowship, Body Composition of Physically Active Versus Inactive Spinal Cord Injured Adults, 1998, **Principal Investigator**

\$1,380,490 NIH/NIDDK DK32632-14, Reversal of Decline of GH Secretion of Aging, 1998, **Co-Investigator**

\$15,000 Pfizer Pharmaceutical Inc. Research and Development Project: Anthropometric Techniques Instructional Video Series, 1998, **Principal Investigator**

\$875,000 NIH/NIA RO1-AG-10997, Growth hormone and Physical training in Older Persons, 1995, **Co-Investigator**

\$150,000 National Research Service Award: NIA #AGO5673-01, The Relationship Between Spontaneous and Stimulated GH Secretion and Body composition Measurements in Young, Middle-Aged and Older Adults, 1996, **Postdoctoral Fellow**

\$37,000 Diabetes and Hormone Action Research Traineeship, #5 T32 DK07320, University of Virginia, UVA School of Medicine, 1993-1995, **Postdoctoral Fellow**

\$1,000 Kappa Kappa Gamma Fraternity Graduate Fellowship Award, 1993, **Principal Investigator**

\$500 University of Illinois Graduate College Dissertation Research Grant, 1992, **Principal Investigator**

\$500 University of Illinois Graduate College Thesis/Project Grant, 1991, **Principal Investigator**

Equipment Grants: Approved and Funded (Equipment Grants)

\$49,700 University of Kentucky Office of the Vice President for Research: Research Equipment Grants 2019. COSMED K5 Wearable Metabolic Technology System. **Principal Investigator.**

\$109,444 NIH CTSA Carry Forward Grant Program-2013. iDXA Equipment Grant. **Co-Principal Investigator**

\$35,036 NIH CTSA Carry Forward Grant Program-2013. YSI 2900 Biochemistry Analyzer Equipment Grant. **Co-Principal Investigator**

\$19,000 University of Kentucky Research Equipment Initiative, Hoist KL Series Circuit Pediatric Resistance

Training Equipment, 2005, **Principal Investigator**

\$12,000 BIRCWH Scholar Research and Resources Grant, Pediatric Resistance Training Equipment System, 2002, **Principal Investigator**

\$11,974 University of Kentucky Research Equipment Initiative, YSI 2300 STAT Plus Glucose Lactate Analyzer, 2002, **Principal Investigator**

\$5,555 University of Kentucky Major Research Equipment Grant, Standard Spectronic Genesys 5 Spectrophotometer, 2001, **Principal Investigator**

\$44,721 University of Kentucky Equipment Replacement Pool Request Grant Fund, Vmax C Lite Indirect Testing System with Integrated Electrocardiogram (ECG) and Treadmill Ergometer, 2000-2002, **Principal Investigator**

\$21,000 University of Kentucky Major Research Equipment Grant, PTA-30 Autosampler, Automation of Infrared Spectrophotometer for the Measurement of Total Body Water, 2000, **Principal Investigator**

\$29,357 University of Kentucky Equipment Replacement Pool Request Grant Fund, Laboratory Preparation and Analysis Equipment, 2000-2002, **Principal Investigator**

\$600 Teaching and Learning Center Faculty Associates Grants Program, Instructional Videotape Series of Body Composition Analyses Techniques, 1999-2000, **Principal Investigator**

\$2,200 Jantzen Incorporated: Corporation Donation Resource Grant, 1999, **Principal Investigator**

\$141,000 University of Kentucky Research Equipment and laboratory Replacement Pool, In Vivo Body Composition Analysis System, 1999, **Principal Investigator**

\$25,000 University of Kentucky Faculty Start-Up Funds, Infrared Spectrophotometer for the Measurement of Total Body Water, various additional laboratory supplies 1998, **Principal Investigator**

Grants Applications: Submitted and In Review

\$2,295,000 NIH UG1 Clinical Sites for the Environmental Influences on Child Health Outcomes (ECHO) IDeA States Pediatric Clinical Trials Network, 2024, **Co-Investigator**

Grants Applications: Approved (Internal Funding)

Project Sponsor: University of Kentucky Pediatric Exercise Physiology Laboratory Endowment; Peak Oxygen Consumption (VO₂peak) Responses to Varying Graded Exercise (GXTs) in Young Children, 2019, **Principal Investigator**

\$30,882 Igniting Research Collaboration (IRC); University of Kentucky. Metabolic Benefits of Timed Exercise. 2017, **Co-Principal Investigator**

Project Sponsor: University of Kentucky Pediatric Exercise Physiology Laboratory Endowment; Effectiveness of a Physical Activity Enhancing Program for Use During Indoor Recess, 2017, **Principal Investigator**

Project Sponsor: University of Kentucky Pediatric Exercise Physiology Laboratory Endowment; Young Men Circadian Assessment Study, 2013-2014, **Co-Principal Investigator**

Project Sponsor: University of Kentucky Pediatric Exercise Physiology Laboratory and University of Kentucky CR Doc Pilot Program; Development of a Bioelectric Impedance Analysis (BIA) Regression Equation for Predicting Body Composition Measures in Children Ages 2-4 Years, 2012-2018, **Principal Investigator**

Project Sponsor: University of Kentucky Pediatric Exercise Physiology Laboratory Endowment; Validation of the FITNESSGRAM Progressive Aerobic Cardiovascular Endurance Run (PACER) Test., 2012-2017, **Principal Investigator**

Project Sponsor: University of Kentucky Pediatric Exercise Physiology Laboratory Endowment; Cardiorespiratory Responses in Healthy-Weight and Obese Women and Children, 2012, **Co-Principal Investigator**

Project Sponsor: University of Kentucky Pediatric Exercise Physiology Laboratory and University of Kentucky Police Department; Evaluation of the Health and Physical Performance of University Law Enforcement Officers, 2012, **Co-Investigator**

Project Sponsor: University of Kentucky College of Rehabilitation Sciences and University of Kentucky Pediatric Exercise Physiology Lab; Acoustic Assessment of Inspiration and Expiration in Individuals with Vocal Cord Dysfunction, 2010, **Co-Investigator**.

Project Sponsor: University of Kentucky CR-DOC Pilot Grant, and University of Kentucky Cognitive Neuroscience Lab (CNL) Pilot Grant; Is Aerobic Fitness Associated with Fractional Anisotropy in Elderly Humans?, 2010, **Co-Investigator**.

Project Sponsor: University of Kentucky Pediatric Exercise Physiology Laboratory and University of Kentucky CR Doc Pilot Program; Relationship Among Relative Skeletal Muscle Index, Body composition, Strength and Balance Across Age and Sex., 2010, **Co-Principal Investigator**

Project Sponsor: University of Kentucky Pediatric Exercise Physiology Laboratory and University of Kentucky Body Composition Core Laboratory; Development of Ethnic Specific Pediatric Regression Equations for Body Composition Assessment Using Bioelectric Impedance Analysis, 2009, **Principal Investigator**

Project Sponsor: University of Kentucky Pediatric Exercise Physiology Laboratory and University of Kentucky Body Composition Core Laboratory; Physical Activity, Body Composition, and Academic Performance in Rural Children Living in Eastern Kentucky, 2008, **Co-Investigator**

Project Sponsor: University of Kentucky Body Composition Core Laboratory; Relationship between total body and regional bone parameters and symptoms and severity of medial tibial stress syndrome (MTSS) of swimmers during weight bearing exercise, 2007, **Co-Investigator**

Project Sponsor: University of Kentucky Pediatric Exercise Physiology Laboratory and University of Kentucky Body Composition Core Laboratory; Development of a Pediatric specific Regression Equation for Body Composition Assessment Using Bioelectric Impedance Analysis, 2007, **Principal Investigator**.

Project Sponsor: University of Kentucky College of Dentistry (Pediatric Dentistry) and the University of Kentucky Body Composition Core Laboratory; Caries Activity, Oral Hygiene, and Body Composition Measures in Children, 2006, **Co-Investigator**

Project Sponsor: University of Kentucky Pediatric Exercise Physiology Laboratory and University of Kentucky Body Composition Core Laboratory; The Assessment of Physical Activity and Nutrition in Home Schooled Children Versus Public School Children and Their Parents, 2006, **Principal Investigator**

Project Sponsor: University of Kentucky Pediatric Exercise Physiology Laboratory and University of Kentucky Body Composition Core Laboratory; Graded exercise testing in children, 2004, **Principal Investigator**

Project Sponsor: University of Kentucky Body Composition Core Laboratory; Validity and Reliability of the BOD POD ST to Determine Measures of Body Composition in Children and Young Adults, 2004, **Principal Investigator**

Project Sponsor: University of Kentucky Body Composition Core Laboratory and the University of Kentucky Pediatric Exercise Physiology Laboratory; The effect of resistance training on strength and body composition measurements in children, 2003, **Principal Investigator**

Project Sponsor: University of Kentucky Body Composition Core Laboratory, Body Composition in Obese and Nonobese Children, 2002, **Principal Investigator**

Project Sponsor: University of Kentucky Body Composition Core Laboratory; The Effect of Cane Use on Bone Mineral Density, 2001, **Principal Investigator**

Project Sponsor: University of Kentucky Body Composition Core Laboratory; Bone Density Measures in Spinal Cord Injured Adults, 2000, **Principal Investigator**

Project Sponsor: University of Kentucky Body Composition Core Laboratory; Reliability of Bone Measures by Dual-Energy X-ray Absorptiometry, 2000, **Principal Investigator**

Project Sponsor: University of Kentucky Body Composition Core Laboratory; Comparison of Hydrostatic Weighing and Air Displacement Plethysmography Methods to Determine Body Density in Spinal Cord Injured Patients, 1999, **Principal Investigator**

Project Sponsor: University of Kentucky Body Composition Core Laboratory; The Validity of Bioelectrical Impedance Analyzers (BIA) Measures to Estimate Body Composition in Young Healthy Adults, 1998, **Principal Investigator**

Grants Applications: Submitted but Not Approved

\$400,000 LOI: Executive Clinical Expert Leadership (EXCEL) Research Initiative; University of Kentucky.

Improved Fluid Management in Medically Fragile Neonates, Infants and Children. **Co-Principal Investigator**

\$173,444 NIH F31 Ruth L. Kirschstein Predoctoral Individual National Research Service Award (Pre-doctoral trainee: MV Jacobs) Knee Joint Function in Marfan Syndrome. **Co-Sponsor**

\$50,000 University of Kentucky Women and Philanthropy Network; Advanced Training for Women in Exercise Science, 2023, **Co-Principal Investigator**.

\$250,000 Kentucky Pediatric Cancer Research Trust Fund; Examining Changes in Nutritional Intake, Physical Activity and Body Composition in Children undergoing Treatment for Acute Lymphoblastic Leukemia, 2023, **Co-Investigator**.

\$3,517,662 NIH U01 Understanding and Targeting the Pathophysiology of Youth-onset Type 2 Diabetes in Appalachia, 2022, **Co-Investigator**

\$2,553,790 NIH ROI Biomarker Development and a Description of Etiologic Pathways, Prognostic Indica, 2021, **Co-Investigator**

\$1,833,566 eIAF # 4000009042 v002: Center for Appalachian Research I Environmental Sciences, 2021, **Co-Investigator**

\$179,200 Cystic Fibrosis Foundation Clinical Pilot and Feasibility Award, The Role of Quadriceps Weakness in Knee Joint Health and Function in Cystic Fibrosis, 2021, **Co-Investigator**

\$49,946 Women and Philanthropy Network, Advanced Training for Women in Exercise Science, 2021. **Co-Principal Investigator**.

\$2,988,349 NIH RO1 A Biopsychosocial Model-Based Composite Index to Serve as a Biomarker for Decreased Function and High Pain Intensity and Interference in Chronic Low Back Pain, 2020, **Co-Investigator**

\$40,200 University of Kentucky Igniting Research Collaborations Pilot Project. Dietary and Exercise Interventions to Improve Mobility and Quality of Life in Cancer Survivors. 2020, **Co-Investigator**

\$2,209,867 Patient Centered Outcome Research Institute. A Pragmatic Clinical Trial of Dose Adjusted 5-FU. 2019, **Co-Investigator**.

\$1,200,000 United States Department of Defense (W81XWH-19-PRMRP-IIRA) Chronic sleep Restriction, Injury riSk and Performance Project (CRISPP). 2019, **Co-Investigator**

\$83,442.53 University of Kentucky Office of the Vice President for Research: Research Equipment Grants 2019. CareFusion VMAX ENCORE 229 Vmax VS 229 Pulmonary Function and CardioPulmonary Exercise Measurement Module. **Co-Principal Investigator**

\$52,984.50 University of Kentucky Office of the Vice President for Research: Research Equipment Grants 2019. BOD POD body composition analysis equipment, with pediatric measurement option, from COSMED

USA Incorporated. **Co-Principal Investigator**

\$20,313 University of Kentucky Igniting Research Collaborative (IRC) Pilot Grant. Pituitary function and bone health after sport-related concussion. 2018, **Co-Investigator**.

\$19,120 University of Kentucky Igniting Research Collaborative (IRC) Pilot Grant. Improvement in health through plant-based dietary change. 2018, **Co-Principal Investigator**.

\$3,148,842 NIH RO1 Targeting circadian misalignment in obesity with timed exercise. 2018, **Co-Investigator**

\$19,395 Children's Miracle Network Project Development Grant; University of Kentucky. Comprehensive Assessment of Changes in Body Composition, Physical Activity, and Nutritional Intake During Treatment for Acute Lymphoblastic Leukemia. 2018, **Co-Investigator**

\$300,360 Concept Paper (LOI) Gerber Foundation. Development of a bioelectric impedance analysis (BIA) regression equation for predicting body composition measures in children ages 2-4 Years. 2017, **Principal Investigator**

\$49,058.50 Office of the Vice President for Research Equipment; University of Kentucky. COSMED K5 Wearable Metabolic System. 2017, **Principal Investigator**

\$2,564,527 Department of Defense. Targeting circadian rhythms and insulin resistance with timed exercise. 2017, **Co-Investigator**

\$2,501,905 NIH 1 RO1 Targeting circadian rhythms and insulin resistance with timed exercise. 2017, **Co-Investigator**

\$750,000 Collaborative Science Award, American Heart Association. Targeting Social Jetlag with Timed Exercise. 2017, **Co-Principal Investigator**

\$3,687,331 NIH 1 RO1 Prenatal Tobacco Exposure and Mechanisms of Offspring Obesity. 2016, **Co-Investigator**

\$100,000 Letter of Intent: University of Kentucky Multidisciplinary Value Program. Metabolic Benefits of Timed Exercise. 2016 **Co-Principal Investigator**

\$50,000 University of Kentucky Sustainability Grant. Addressing the Freshman 15. 2016 **Co-Principal Investigator**.

\$220,240 NIH Individual Predoctoral Fellowship (Parent F31). Metabolic Benefits of Timed Exercise. 2016, **Co-Sponsor**

\$50,000 Kentucky Nutrition Obesity Research Center (KNORC) Pilot Grant Application (submitted under parent center grant application). Circadian Rhythm Parameters and Metabolic Syndrome Associated Factors in Young Children from Underserved Rural Clay County Kentucky, 2014 **Co-Principal Investigator**.

\$2,164,511 NIH RO1 PA-13-302 Reversing Dysfunction in the Hearts of Obese Children: an MRI Intervention Study, 2014. **(Co-Investigator)**

\$275,000 NIH R21 NICHD. Circadian Rhythm Parameters and Metabolic Syndrome Associated Factors in Prepubescent Children, 2014. **Principal Investigator**

\$3,652,770 NIH RO1 PA-13-302 NIDDK. Prenatal Tobacco Exposure and Mechanisms of Offspring Obesity, 2014. **Co-Investigator**

\$3,610,529 NIH RO1 PA-11-260 NIDDK. Future Obesity Risk Evaluation So Kids Improve Nutritional Status, 2013. **Co-Investigator**

\$79,418 Diabetes Research Center Pilot and Feasibility Awards-2013. Oral Infections, Obesity, and Diabetes Risk in Children. **Co-Investigator.**

\$50,000 University of KY CTTS/CR-DOC Pilot Study Program. Cardiorespiratory fitness, perivascular adipose and arterial stiffness in healthy-weight and obese children, 2013. **Co-Investigator**

\$2,255,762 USDA-NIFAAFRI-003410 Impact of student health navigators on promoting changes in health behaviors of pre and adolescent children in Appalachian communities, 2011, **Co-Investigator.**

\$25,000,000 USDA-NIFAAFRI-003410 A Multilevel Community Approach to Understanding and Preventing Childhood Obesity: Creating IDEAL (Identifying Dietary, Environmental, and Lifestyle) factors for community action/prevent early obesity. 2011, **Co-Investigator.**

\$84,160 University of Kentucky CCTS Pilot Grant Application 2011. Structural and functional neuroimaging differences between prepubescent obese and healthy-weight children, 2011, **Co-Investigator**

\$100,000 University of Kentucky CCTS Pilot Grant Application 2011. Muscle, Fat and NK Lymphocytes in Aging, 2011, **Co-Investigator**

\$25,000,000 USDA-NIFAAFRI-003037 A Multilevel Community Approach to Understanding and Preventing Childhood Obesity: Creating IDEAL (Identifying Dietary, Environmental, and Lifestyle factors for community action to prevent childhood obesity) Communities, 2010, **Co-Investigator.**

\$366,104 NIH PA-08-077; Research on the Economics of Diet, Activity and Energy, 2009, **Co-Investigator.**

\$18,750 Children's Miracle Network Pilot Grant Program. Is Autonomic Tone Modified in Children with the Metabolic Syndrome?, 2009, **Co-Principal Investigator**

\$803,963 USDA-CSREES-AFRI-002010 Are Financial Incentives Necessary in the Fight Against Childhood Obesity?, 2009, **Co-Investigator**

\$1,250,000 NIH RFA-Exercise and Brain Function for Cognition, Emotion, and Reward Across Development, 2009, **Co-Investigator**

\$1,626,940 NIH RFA-NR-09-002 Center of Excellence in Cardiopulmonary Health Promotion and Disease Prevention (Principal Investigator: DK Moser); \$366,478 Pilot Project for Center Application: Effects of Resistance Training in Obese Children and Adults, 2008, **Principal Investigator**

\$247,000 Caterbury of New Zealand Inc. Berkeley, CA. Effects of the IonX gramet on athletic performance. **Co-Investigator**

\$50,000 American diabetes Association; A Novel Optical Approach to Evaluate the Influence of Diabetes and Physical Activity on Muscle Metabolism in Patients with PAD, 2008, **Co-Investigator**

\$2,512,673 NIH 1 RO1 DK077792-01A1; Endurance Versus Resistance Training in Obese Prepubescent Children, 2007, **Principal Investigator**

\$146,500 NIH; An Interactive Individualized Internet Intervention for Secondary Cardiac Prevention In Post-ACS Patients, 2007, **Co-Investigator**

\$1,828,418 NIH RO1DK077792-01 Endurance Versus Resistance Training in Obese Prepubescent Children, 2006, **Principal Investigator**

\$5,850 University of Kentucky College of Education Institute for Educational Research; The Assessment of Physical Activity and Nutrition in Home Schooled Children Versus Public School Children and Their Parents, 2006, **Principal Investigator**

\$398,886 NIH R21 NIAID PA-03-107 Steps exercise program for HIV-infected individuals, 2006, **Co-Investigator**

\$205,000 Provost Equipment University of Kentucky 2008-2010 Capital-Plan; Metabolic Instructional Systems, 2006, **Principle Investigator**

\$127,000 University of Kentucky Major Research Equipment Grant, GE Lunar iDXA™ System, 2006, **Principal Investigator**

\$1,466,360 RO1 NIH NCI Exercise Intervention, Cancer Biomarkers in Lean and Obese Children, **Principal Investigator** (\$7,429,639 Total Cost; Transdisciplinary Research on Energetics and Cancer (TREC) Center Grant, Interaction of Physical Activity and Obesity on Cancer Incidence, Progression, PI: KA Esser), 2005

\$15,000 UK Commonwealth Collaborative Grant Development of a Pediatric Specific Regression Equation for Body Composition Assessment Using Bioelectric Impedance Analysis, 2005, **Principal Investigator**

\$346,500 NIH RFA-DK-04-013 Impact of community model on child physical activity, 2005, **Co-Investigator**

\$402,525 R21 NIH RFA-HD-04-020 Monitoring weight loss and body composition, 2005, **Co-Investigator**

\$292,800 RO3 NIH PAR-04-082 Role of serotonin in pediatric obesity, 2005, **Co-Investigator**

\$99,956 NIH NIDDK R41 Classroom Fitness and Literacy Multimedia Tools. 2004, **Principal Investigator**

\$616,000 VA Merit Review Grant. Aerobic Training Intervention for HIV-Associated Metabolic Syndrome, 2004, **Co-Investigator**

\$1,165,227 NIH RFA-DK-04-010 Stress, HPA Regulation and Visceral Adiposity, 2004, **Co-Investigator**

\$1,380,490 NIH RO1, Exercise on Insulin Sensitivity in Spinal Cord Injury, 2002, **Consultant**

\$1,700,000 NIH/NIA RO1, Ghrelin: Aging, Nutrition and Regulation of Growth Hormone, 2002, **Consultant**

\$249,800 NIH R21 DK-00-008, Exercise Training in Obese Prepubescent Children, 2000, **Principal Investigator**

\$1,822,629 NIDRR CFDA #84. 133N, KY Regional Model Spinal Cord Injury System, 2000, **Co-Investigator**

\$72,750 NIA Pilot Research, PA-99-049, Etiology of Osteoporosis and primary Osteoarthritis, 1999, **Co-Investigator**

\$648,006 Mentored patient-Oriented Research Career Development Award (K23), PA-98-052, Exercise on Glucose Tolerance and Body Composition in Spinal Cord Injury, 1999, **Co-Investigator**

\$648,006 Clinical Associate Physician Award, PA-90-30, Exercise on Glucose Tolerance and Body Composition in Spinal Cord Injury, 1999, **Co-Investigator**

\$474,000 VAMC Career Development Award, Effects of Dosed Exercise on glucose tolerance and body Composition in Spinal Cord Injury, 1999, **Co-Investigator**

\$507,289 NIH DK-98-013, Director: Human Body Composition Core Laboratory, Clinical Nutrition Research Unit Core Center Application (Total \$4,826,557), 1998, **Co-Investigator**

\$5,000 Life Fitness Academy Award, Resting Metabolic rate, Peak Oxygen Consumption and Body Composition in Physically Active Versus Sedentary Paraplegics: A Pilot Study, 1998, **Principal Investigator**